

Data File : VU035474.D
Acq On : 24 Oct 2019 21:26
Operator : JC/SP
Sample : K5509-04DL 10X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
H0G43DL

Quant Time: Oct 25 07:10:03 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Oct 25 07:04:30 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	201771	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	209562	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	58488	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	44913	3.65	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	73.00%
7) Chloroethane-d5	1.93	69	49800	4.43	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	88.60%
11) 1,1-Dichloroethene-d2	2.59	63	63403	2.79	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	55.80%#
20) 2-Butanone-d5	4.70	46	228302	64.57	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	129.14%
24) Chloroform-d	5.11	84	110017	4.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.80%
26) 1,2-Dichloroethane-d4	5.75	65	68976	5.54	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	110.80%
32) Benzene-d6	5.77	84	197552	4.12	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.40%
36) 1,2-Dichloropropane-d6	6.73	67	76140	5.00	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.00%
41) Toluene-d8	7.93	98	148656	3.24	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	64.80%#
43) trans-1,3-Dichloropropene-	8.21	79	25568	3.46	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	69.20%
46) 2-Hexanone-d5	8.68	63	145066	44.54	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	89.08%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	74509	5.49	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	109.80%
64) 1,2-Dichlorobenzene-d4	12.22	152	47967	4.50	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	90.00%

Target Compounds

					Qvalue
5) Vinyl chloride	1.62	62	19224	1.099 ug/L #	80
12) 1,1-Dichloroethene	2.60	96	1112	0.086 ug/L #	1
13) Acetone	2.67	43	2288	0.930 ug/L	97
16) Methylene chloride	3.08	84	8422	0.540 ug/L	92
17) Methyl tert-butyl Ether	3.42	73	59720	1.712 ug/L	95
18) trans-1,2-Dichloroethene	3.39	96	5001	0.357 ug/L	95
19) 1,1-Dichloroethane	3.92	63	3054	0.121 ug/L	97
22) cis-1,2-Dichloroethene	4.72	96	126795	8.200 ug/L	94
25) Chloroform	5.14	83	12793	0.461 ug/L	100
34) Trichloroethene	6.58	95	126497	7.631 ug/L	97
35) Methylcyclohexane	6.74	83	18450	0.666 ug/L #	19
37) 1,2-Dichloropropane	6.74	63	8805	0.563 ug/L #	86
47) Tetrachloroethene	8.58	164	1710	0.124 ug/L	82
48) 2-Hexanone	8.73	43	15952	2.153 ug/L #	77
49) Dibromochloromethane	8.58	129	1485	0.101 ug/L #	11
59) 1,2,3-Trichloropropane	11.84	75	7834	0.718 ug/L	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102419\
Quantitation Report (Not Reviewed)

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Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Oct 25 07:04:30 2019
Response via : Initial Calibration

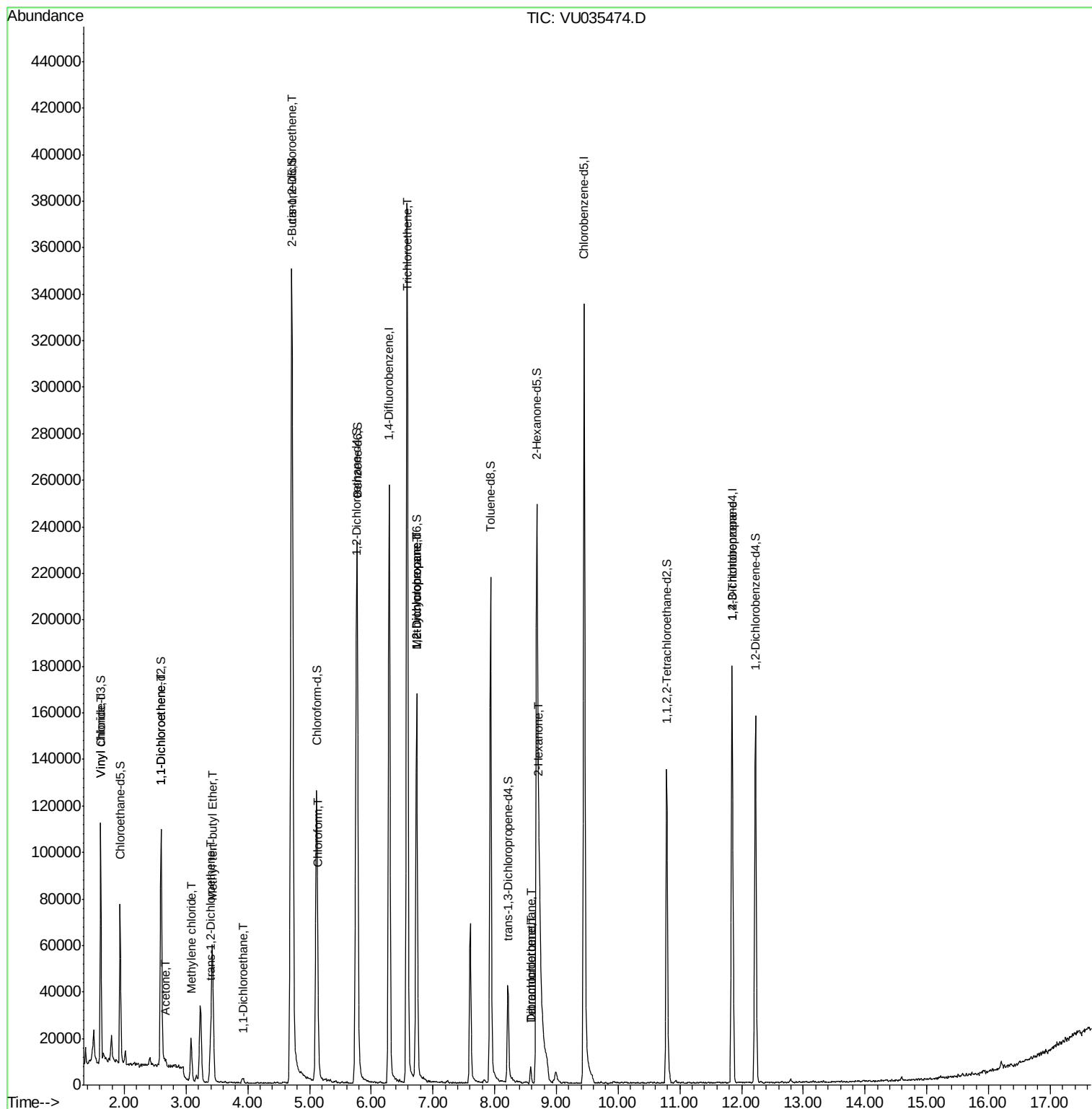
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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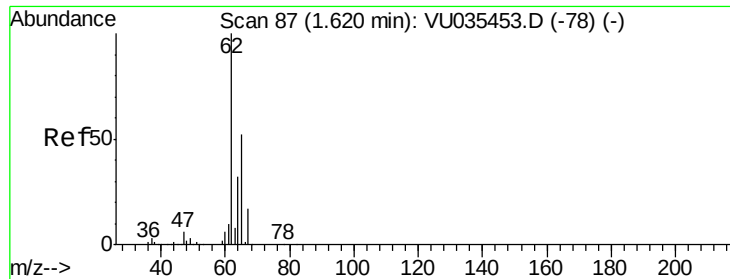
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampled :
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Quant Time: Oct 25 07:10:03 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
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QLast Update : Fri Oct 25 07:04:30 2019
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 1.099 ug/L

RT: 1.62 min Scan# 87

Delta R.T. 0.00 min

Lab File: VU035474.D

Acq: 24 Oct 2019 21:26

Instrument :

MSVOA_U

ClientSampleId :

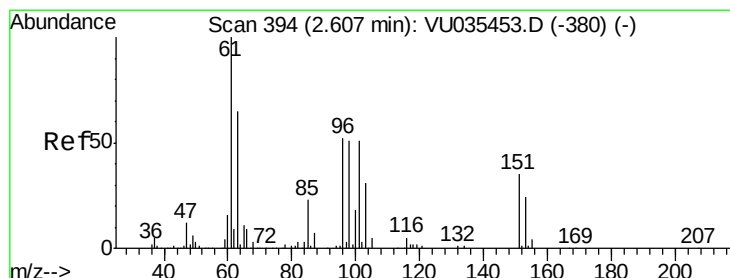
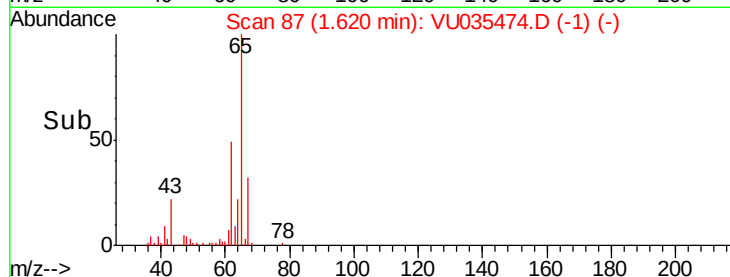
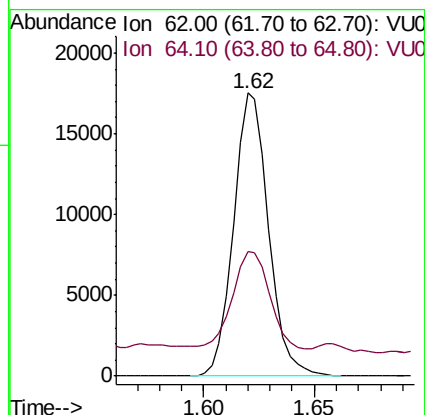
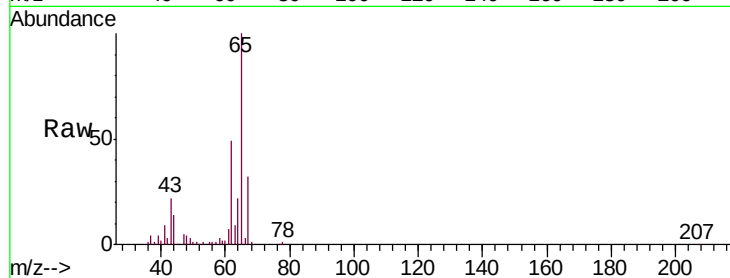
H0G43DL

Tgt Ion: 62 Resp: 19224

Ion Ratio Lower Upper

62 100

64 44.2 22.9 42.5#



#12

1,1-Dichloroethene

Concen: 0.086 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU035474.D

Acq: 24 Oct 2019 21:26

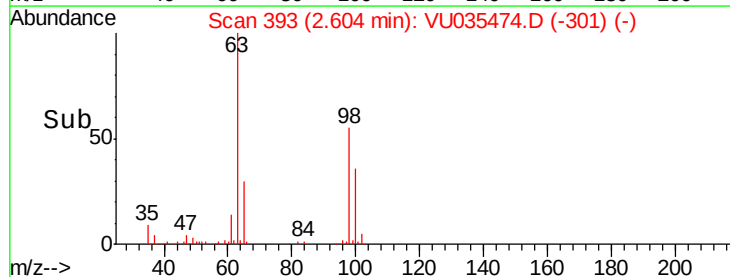
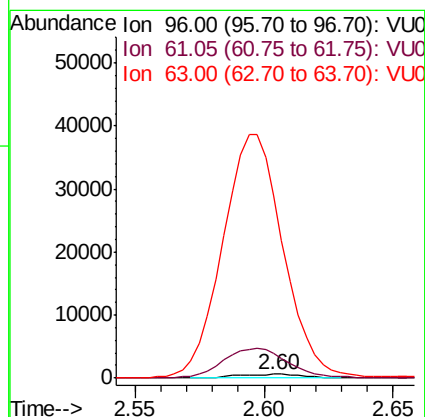
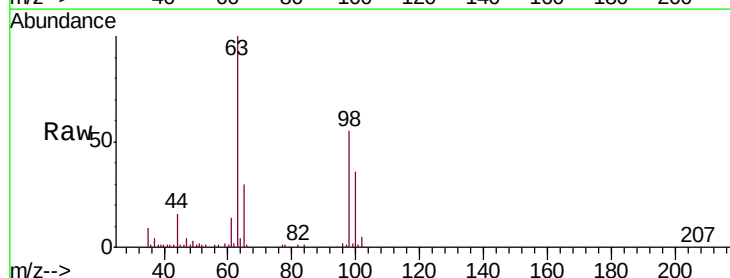
Tgt Ion: 96 Resp: 1112

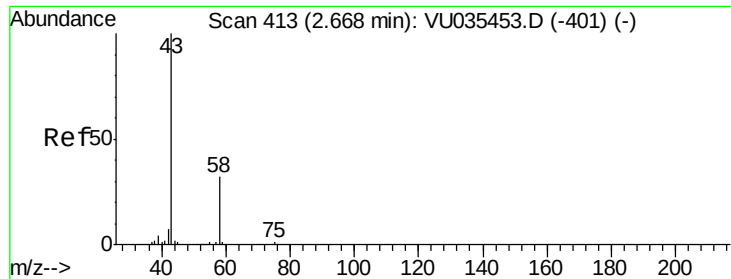
Ion Ratio Lower Upper

96 100

61 632.6 120.6 224.0#

63 4671.0 86.8 161.2#

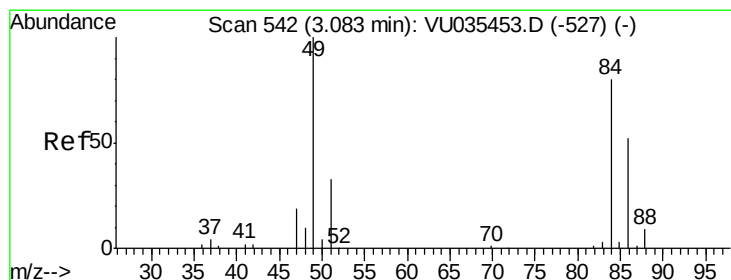
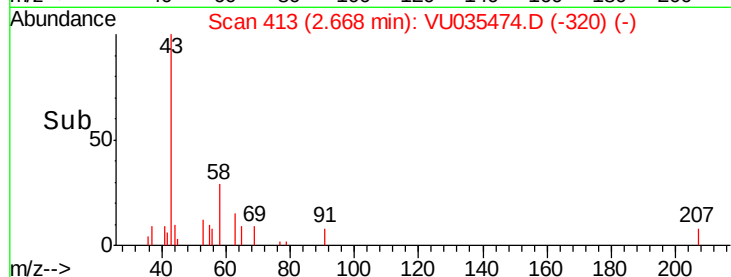
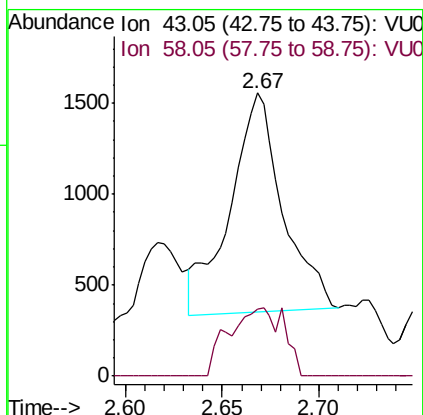
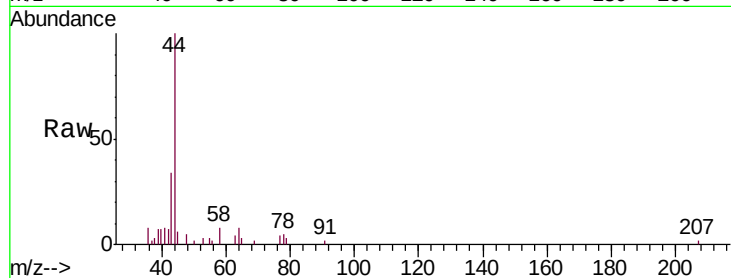




#13
Acetone
Concen: 0.930 ug/L
RT: 2.67 min Scan# 413
Delta R.T. 0.00 min
Lab File: VU035474.D
Acq: 24 Oct 2019 21:26

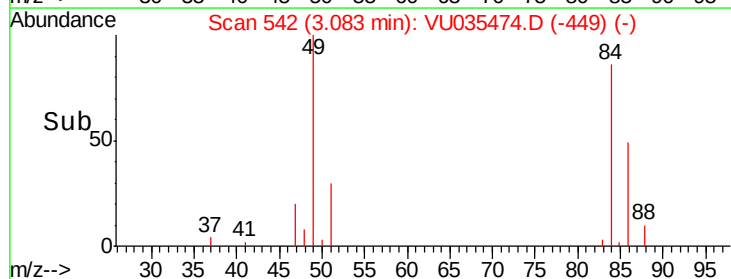
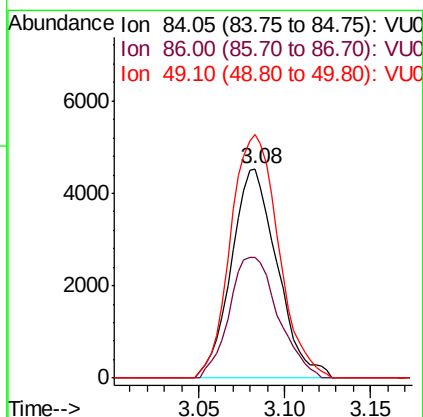
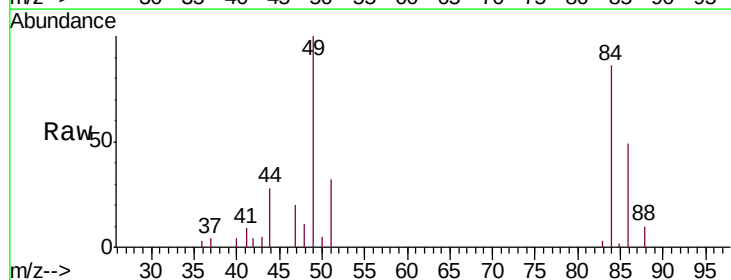
Instrument :
MSVOA_U
ClientSampleId :
H0G43DL

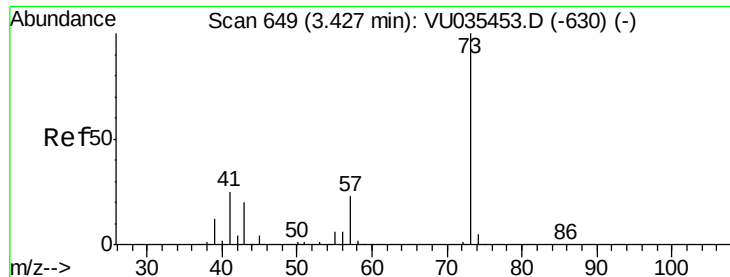
Tgt Ion: 43 Resp: 2288
Ion Ratio Lower Upper
43 100
58 32.4 0.0 61.8



#16
Methylene chloride
Concen: 0.540 ug/L
RT: 3.08 min Scan# 542
Delta R.T. 0.00 min
Lab File: VU035474.D
Acq: 24 Oct 2019 21:26

Tgt Ion: 84 Resp: 8422
Ion Ratio Lower Upper
84 100
86 57.3 45.4 84.2
49 116.1 86.8 161.2





#17

Methyl tert-butyl Ether

Concen: 1.712 ug/L

RT: 3.42 min Scan# 648

Delta R.T. -0.00 min

Lab File: VU035474.D

Acq: 24 Oct 2019 21:26

Instrument :

MSVOA_U

ClientSampleId :

H0G43DL

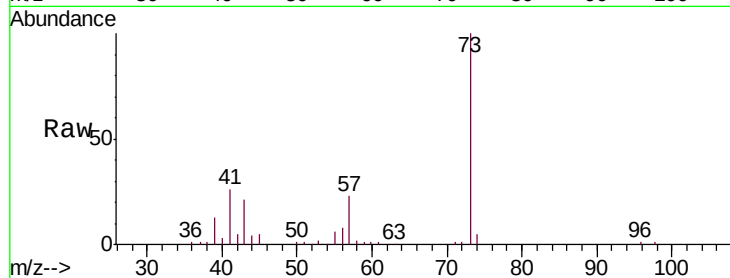
Tgt Ion: 73 Resp: 59720

Ion Ratio Lower Upper

73 100

43 22.8 16.0 24.0

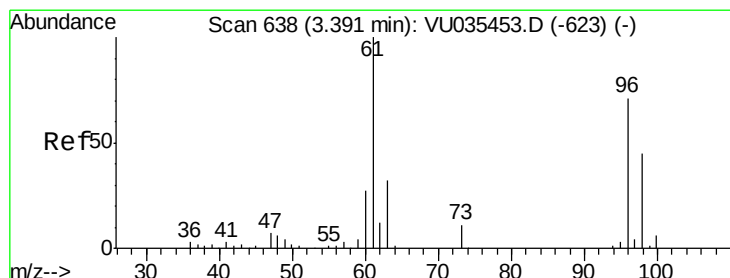
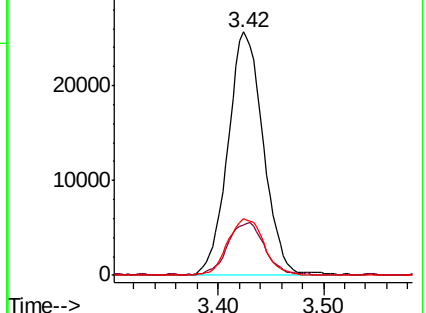
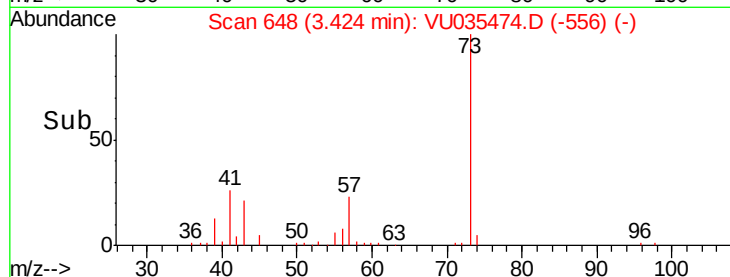
57 23.9 17.4 26.2



Abundance Ion 73.10 (72.80 to 73.80): VU035474.D (-556) (-)

Ion 43.05 (42.75 to 43.75): VU035474.D (-556) (-)

Ion 57.10 (56.80 to 57.80): VU035474.D (-556) (-)



#18

trans-1,2-Dichloroethene

Concen: 0.357 ug/L

RT: 3.39 min Scan# 638

Delta R.T. 0.00 min

Lab File: VU035474.D

Acq: 24 Oct 2019 21:26

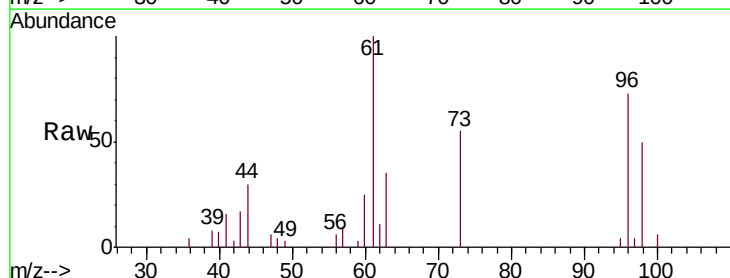
Tgt Ion: 96 Resp: 5001

Ion Ratio Lower Upper

96 100

61 136.4 93.0 172.6

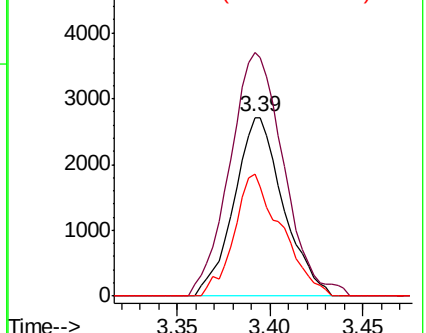
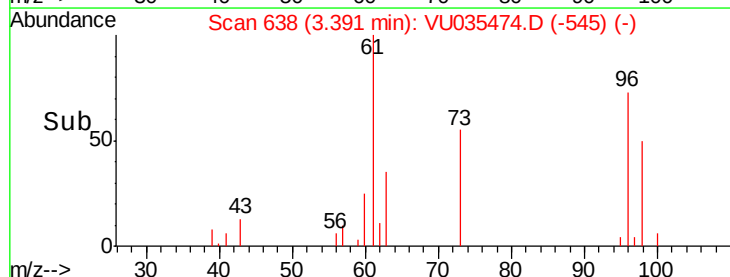
98 68.3 43.7 81.1

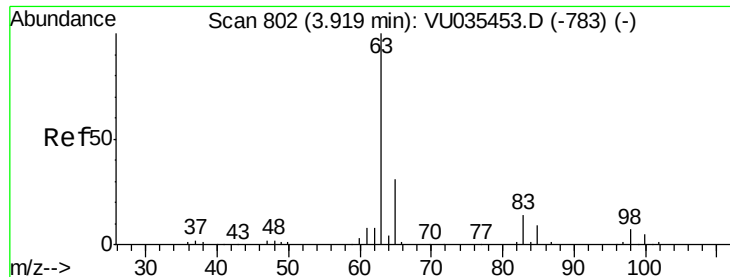


Abundance Ion 96.00 (95.70 to 96.70): VU035474.D (-545) (-)

Ion 61.05 (60.75 to 61.75): VU035474.D (-545) (-)

Ion 97.95 (97.65 to 98.65): VU035474.D (-545) (-)

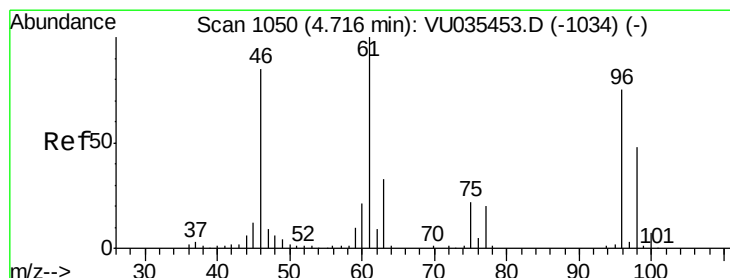
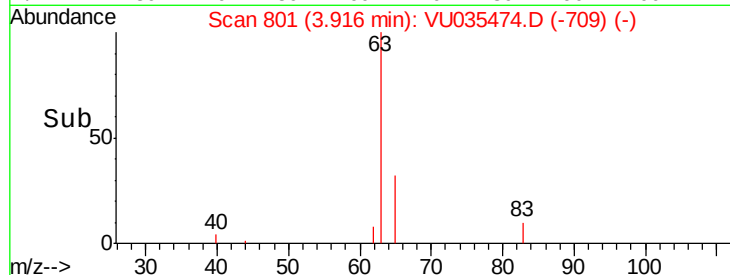
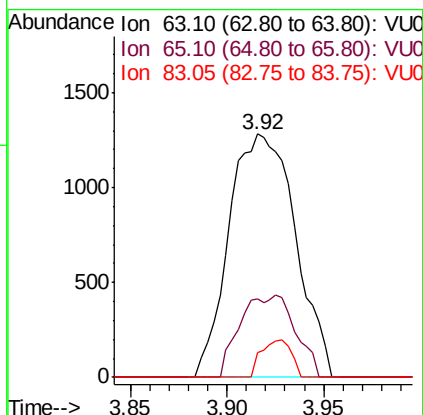
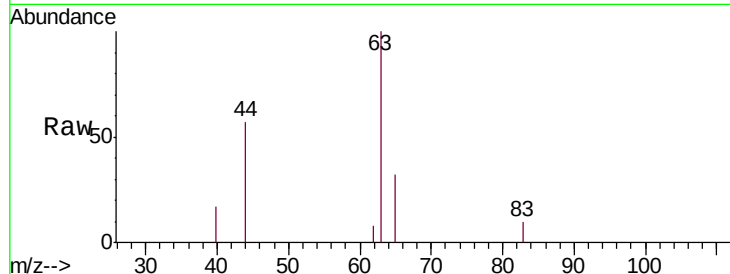




#19
 1,1-Dichloroethane
 Concen: 0.121 ug/L
 RT: 3.92 min Scan# 801
 Delta R.T. -0.00 min
 Lab File: VU035474.D
 Acq: 24 Oct 2019 21:26

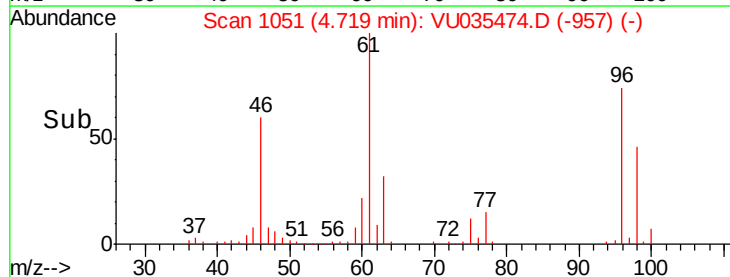
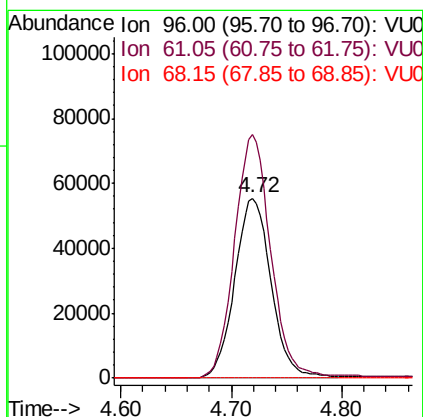
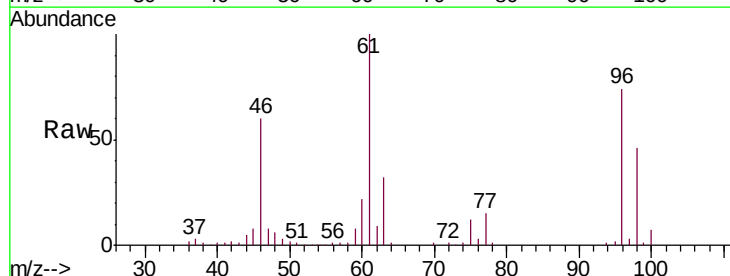
Instrument :
 MSVOA_U
 ClientSampleId :
 H0G43DL

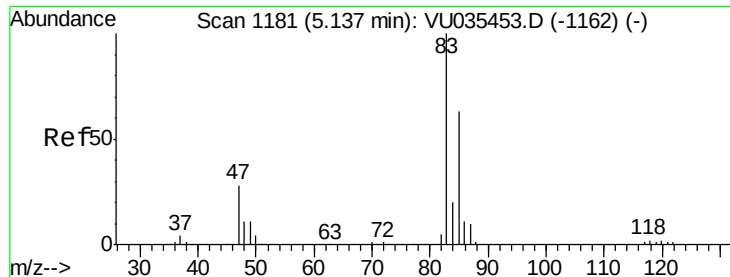
Tgt Ion: 63 Resp: 3054
 Ion Ratio Lower Upper
 63 100
 65 32.2 22.4 41.6
 83 10.1 9.3 17.3



#22
 cis-1,2-Dichloroethene
 Concen: 8.200 ug/L
 RT: 4.72 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VU035474.D
 Acq: 24 Oct 2019 21:26

Tgt Ion: 96 Resp: 126795
 Ion Ratio Lower Upper
 96 100
 61 135.2 89.7 166.5
 68 0.0 0.0 0.0

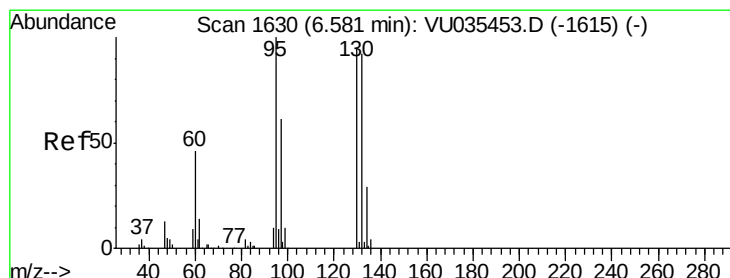
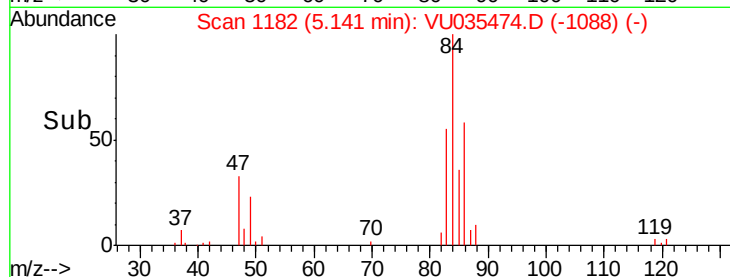
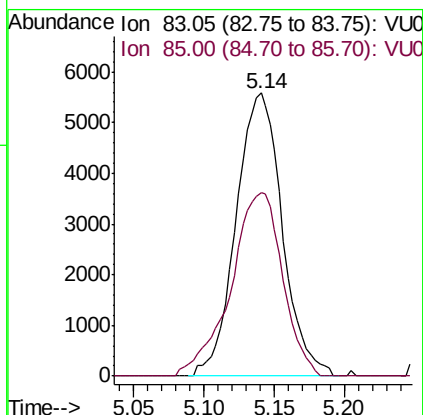
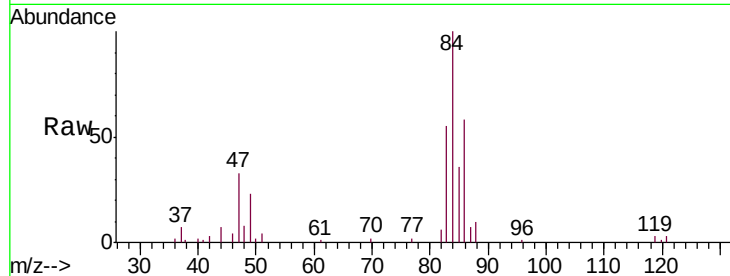




#25
Chloroform
Concen: 0.461 ug/L
RT: 5.14 min Scan# 1182
Delta R.T. 0.00 min
Lab File: VU035474.D
Acq: 24 Oct 2019 21:26

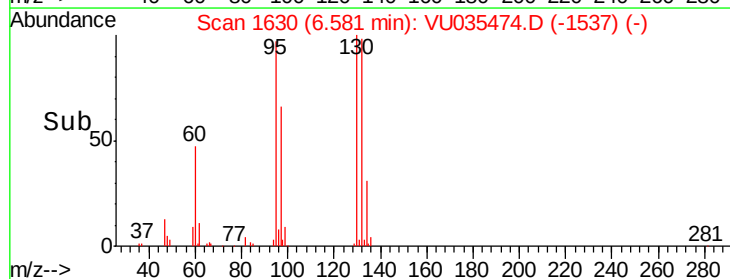
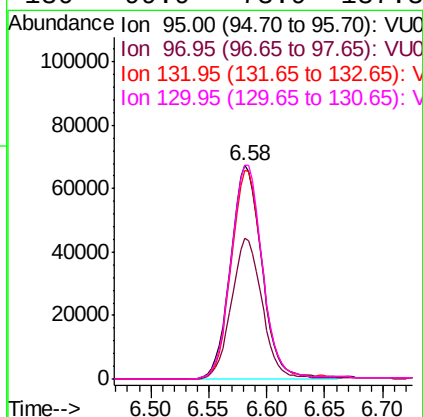
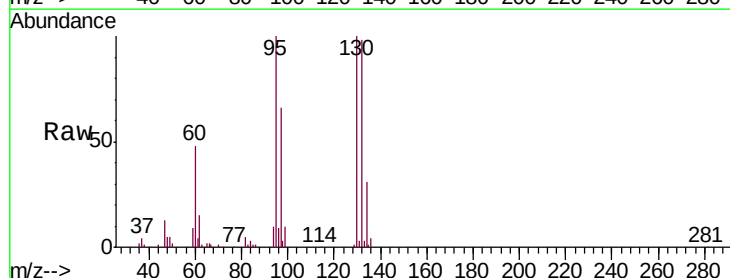
Instrument :
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ClientSampleId :
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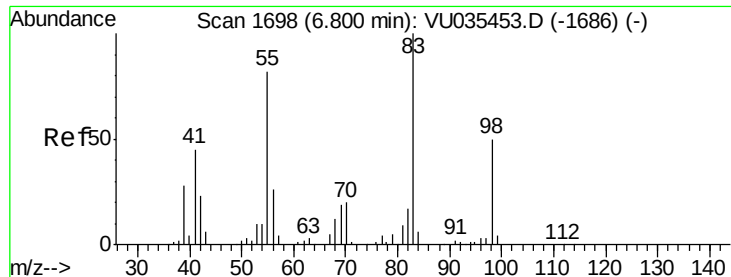
Tgt Ion: 83 Resp: 12793
Ion Ratio Lower Upper
83 100
85 64.8 45.1 83.9



#34
Trichloroethene
Concen: 7.631 ug/L
RT: 6.58 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VU035474.D
Acq: 24 Oct 2019 21:26

Tgt Ion: 95 Resp: 126497
Ion Ratio Lower Upper
95 100
97 65.9 46.6 86.6
132 97.6 68.7 127.7
130 99.9 73.9 137.3

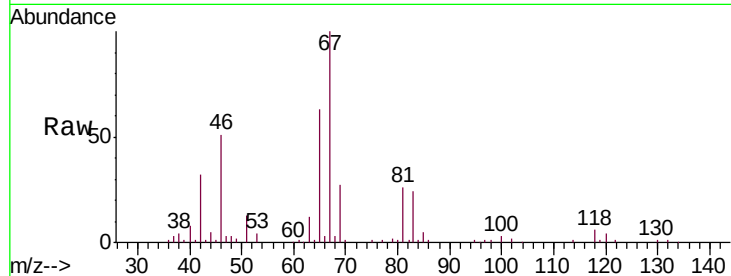




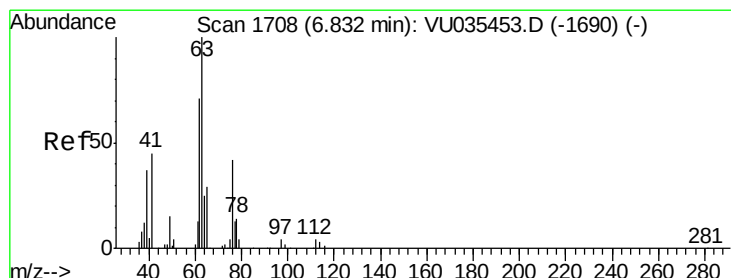
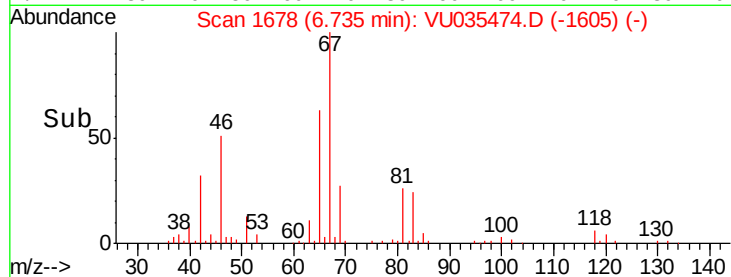
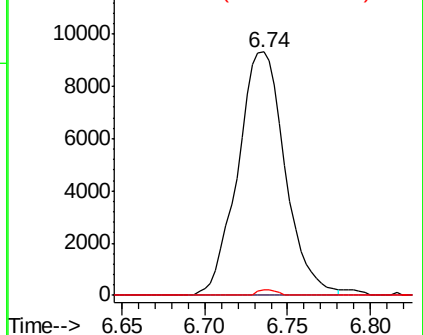
#35
Methylcyclohexane
Concen: 0.666 ug/L
RT: 6.74 min Scan# 1678
Delta R.T. -0.06 min
Lab File: VU035474.D
Acq: 24 Oct 2019 21:26

Instrument :
MSVOA_U
ClientSampleId :
H0G43DL

Tgt Ion: 83 Resp: 18450
Ion Ratio Lower Upper
83 100
55 0.0 60.4 90.6#
98 1.0 39.5 59.3#

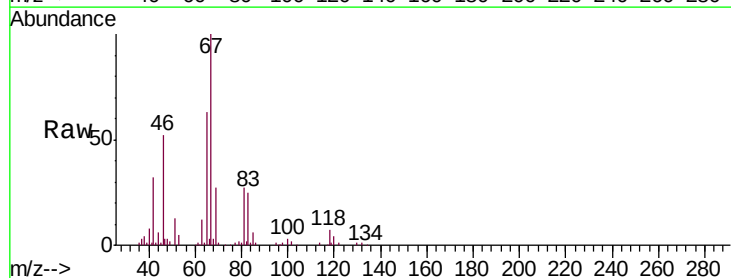


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

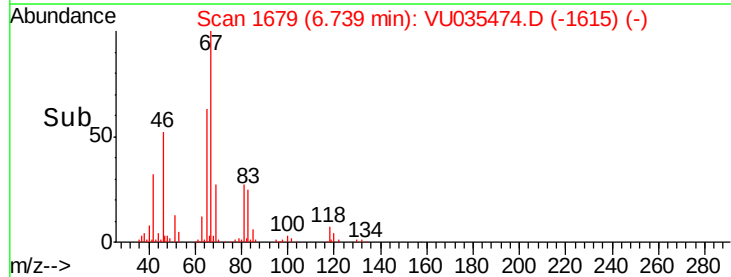
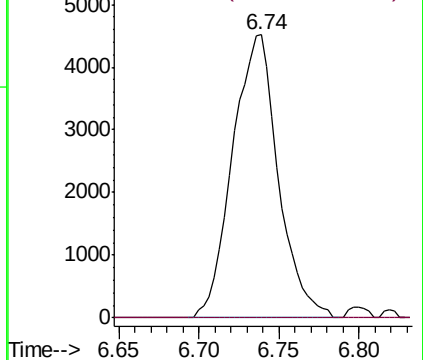


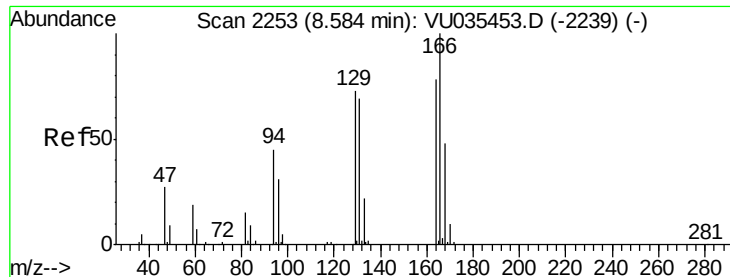
#37
1,2-Dichloropropane
Concen: 0.563 ug/L
RT: 6.74 min Scan# 1679
Delta R.T. -0.09 min
Lab File: VU035474.D
Acq: 24 Oct 2019 21:26

Tgt Ion: 63 Resp: 8805
Ion Ratio Lower Upper
63 100
112 0.0 3.7 5.5#



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 112.10 (111.80 to 112.80): V





#47

Tetrachloroethene

Concen: 0.124 ug/L

RT: 8.58 min Scan# 2252

Delta R.T. -0.00 min

Lab File: VU035474.D

Acq: 24 Oct 2019 21:26

Instrument :

MSVOA_U

ClientSampleId :

H0G43DL

Tgt Ion:164 Resp: 1710

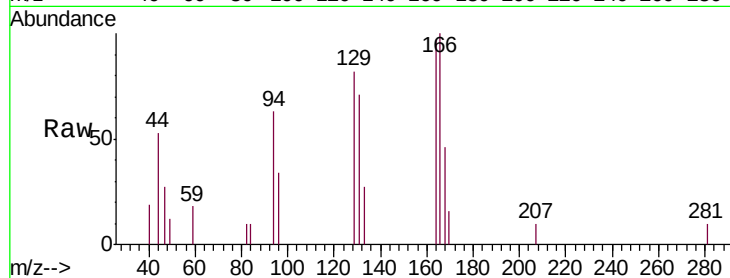
Ion Ratio Lower Upper

164 100

129 84.0 65.2 121.0

131 73.2 62.9 116.9

166 102.8 91.5 169.9

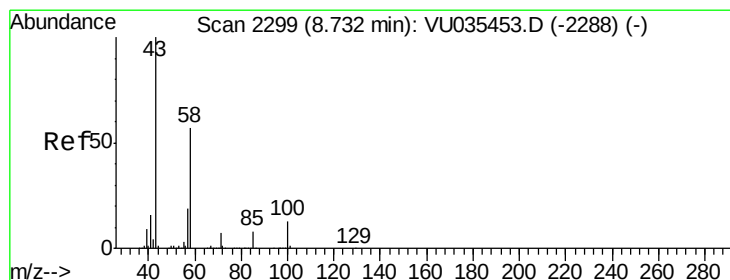
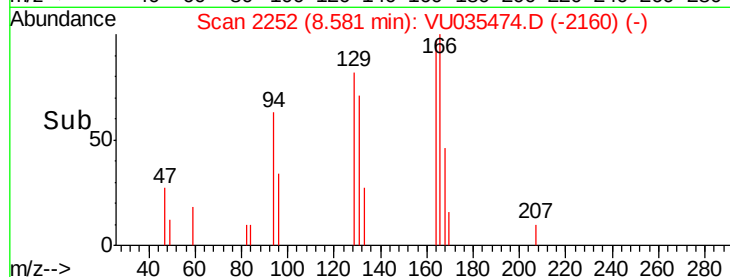
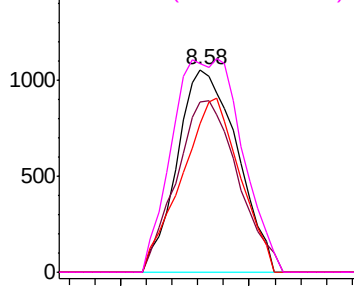


Abundance Ion 163.90 (163.60 to 164.60): V

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: 2.153 ug/L

RT: 8.73 min Scan# 2297

Delta R.T. -0.01 min

Lab File: VU035474.D

Acq: 24 Oct 2019 21:26

Tgt Ion: 43 Resp: 15952

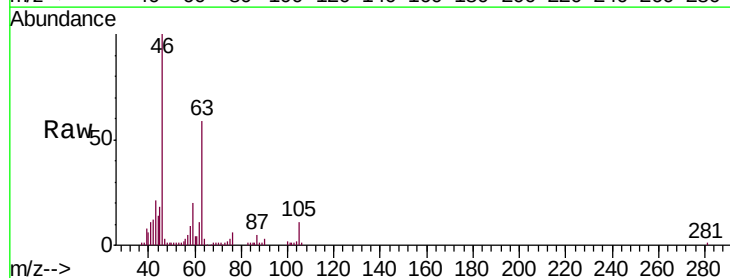
Ion Ratio Lower Upper

43 100

58 36.9 45.1 67.7#

57 12.0 16.0 24.0#

100 6.1 10.4 15.6#

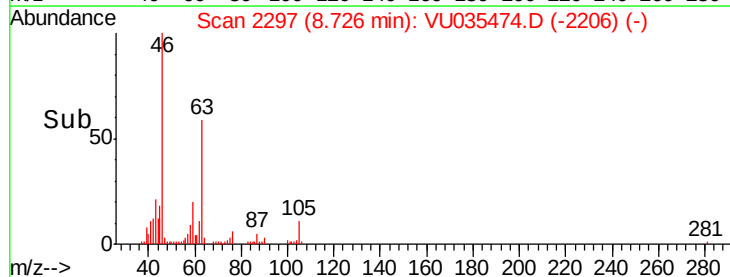
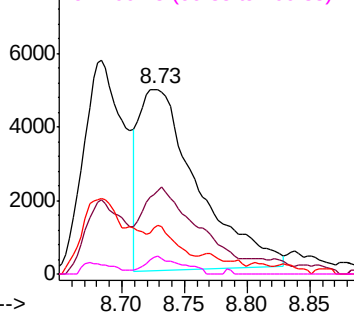


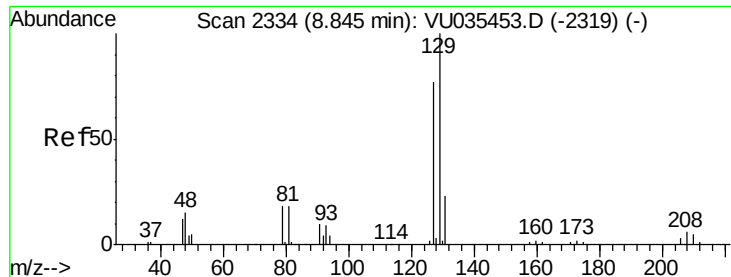
Abundance Ion 43.05 (42.75 to 43.75): VU0

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: 0.101 ug/L

RT: 8.58 min Scan# 2253

Delta R.T. -0.26 min

Lab File: VU035474.D

Acq: 24 Oct 2019 21:26

Instrument :

MSVOA_U

ClientSampleId :

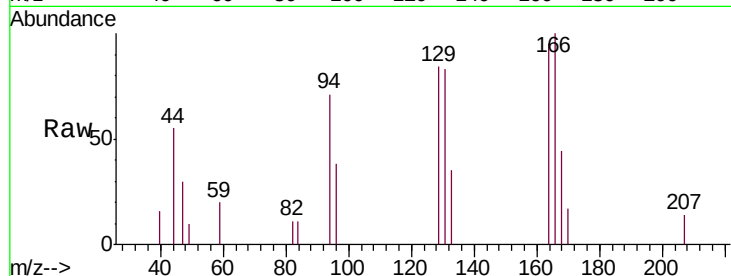
H0G43DL

Tgt Ion:129 Resp: 1485

Ion Ratio Lower Upper

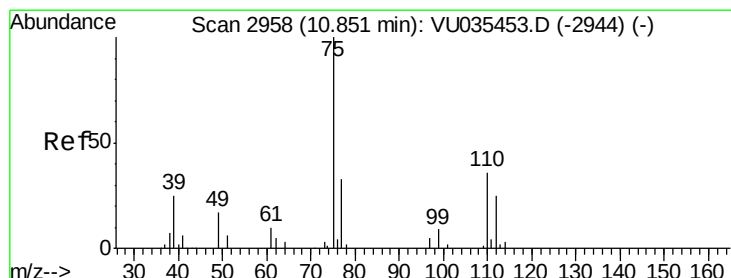
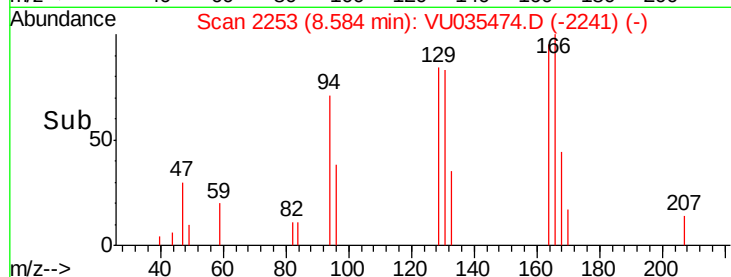
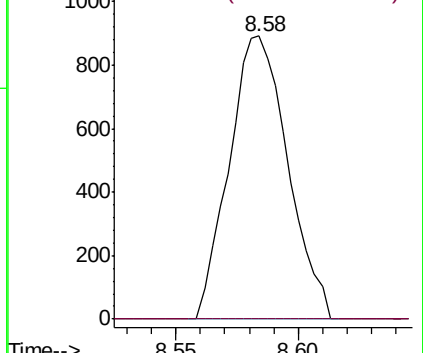
129 100

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: 0.718 ug/L

RT: 11.84 min Scan# 3266

Delta R.T. 0.99 min

Lab File: VU035474.D

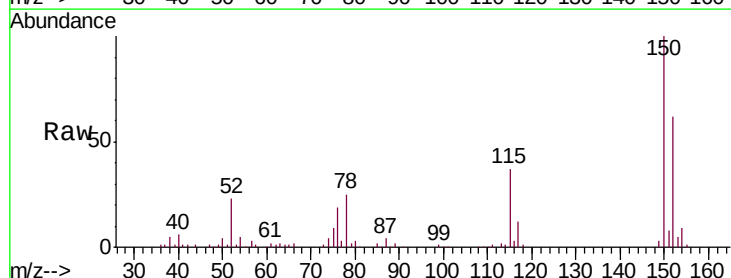
Acq: 24 Oct 2019 21:26

Tgt Ion: 75 Resp: 7834

Ion Ratio Lower Upper

75 100

77 33.4 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

