

Data File : VU035344.D
Acq On : 22 Oct 2019 01:03
Operator : JC/SP
Sample : K5458-05
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0K29

Quant Time: Oct 22 06:45:15 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Oct 22 06:40:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	286245	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	282382	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	98130	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	115811	6.63	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	132.60%#
7) Chloroethane-d5	1.94	69	103253	6.47	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	129.40%
11) 1,1-Dichloroethene-d2	2.60	63	175470	5.44	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	108.80%
20) 2-Butanone-d5	4.70	46	264398	52.71	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	105.42%
24) Chloroform-d	5.11	84	195112	6.12	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	122.40%
26) 1,2-Dichloroethane-d4	5.75	65	103243	5.84	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	116.80%
32) Benzene-d6	5.77	84	389638	6.03	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	120.60%
36) 1,2-Dichloropropane-d6	6.74	67	124546	6.07	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	121.40%
41) Toluene-d8	7.93	98	344344	5.57	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	111.40%
43) trans-1,3-Dichloropropene-	8.22	79	47699	4.79	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.80%
46) 2-Hexanone-d5	8.69	63	199595	45.48	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	90.96%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	97781	5.35	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	107.00%
64) 1,2-Dichlorobenzene-d4	12.22	152	103198	5.77	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	115.40%

Target Compounds

					Qvalue
3) Chloromethane	1.54	50	4216	0.174 ug/L	88
8) Chloroethane	1.95	64	2815	0.176 ug/L #	54
12) 1,1-Dichloroethene	2.61	96	27407	1.490 ug/L #	22
13) Acetone	2.67	43	4370	1.253 ug/L	84
16) Methylene chloride	3.08	84	1692	0.076 ug/L	86
19) 1,1-Dichloroethane	3.92	63	7512	0.209 ug/L	99
22) cis-1,2-Dichloroethene	4.72	96	47921	2.185 ug/L	98
29) 1,1,1-Trichloroethane	5.37	97	2886	0.087 ug/L	93
34) Trichloroethene	6.58	95	156381	7.001 ug/L	96
35) Methylcyclohexane	6.74	83	28692	0.769 ug/L #	19
37) 1,2-Dichloropropane	6.74	63	13956	0.662 ug/L #	86
39) cis-1,3-Dichloropropene	7.61	75	3186	0.090 ug/L #	50
47) Tetrachloroethene	8.59	164	11328	0.609 ug/L	91
48) 2-Hexanone	8.74	43	12181	1.220 ug/L #	88
49) Dibromochloromethane	8.58	129	9936	0.500 ug/L #	11
59) 1,2,3-Trichloropropane	11.84	75	12165	0.828 ug/L	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102219\
Quantitation Report (Not Reviewed)

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QLast Update : Tue Oct 22 06:40:31 2019
Response via : Initial Calibration

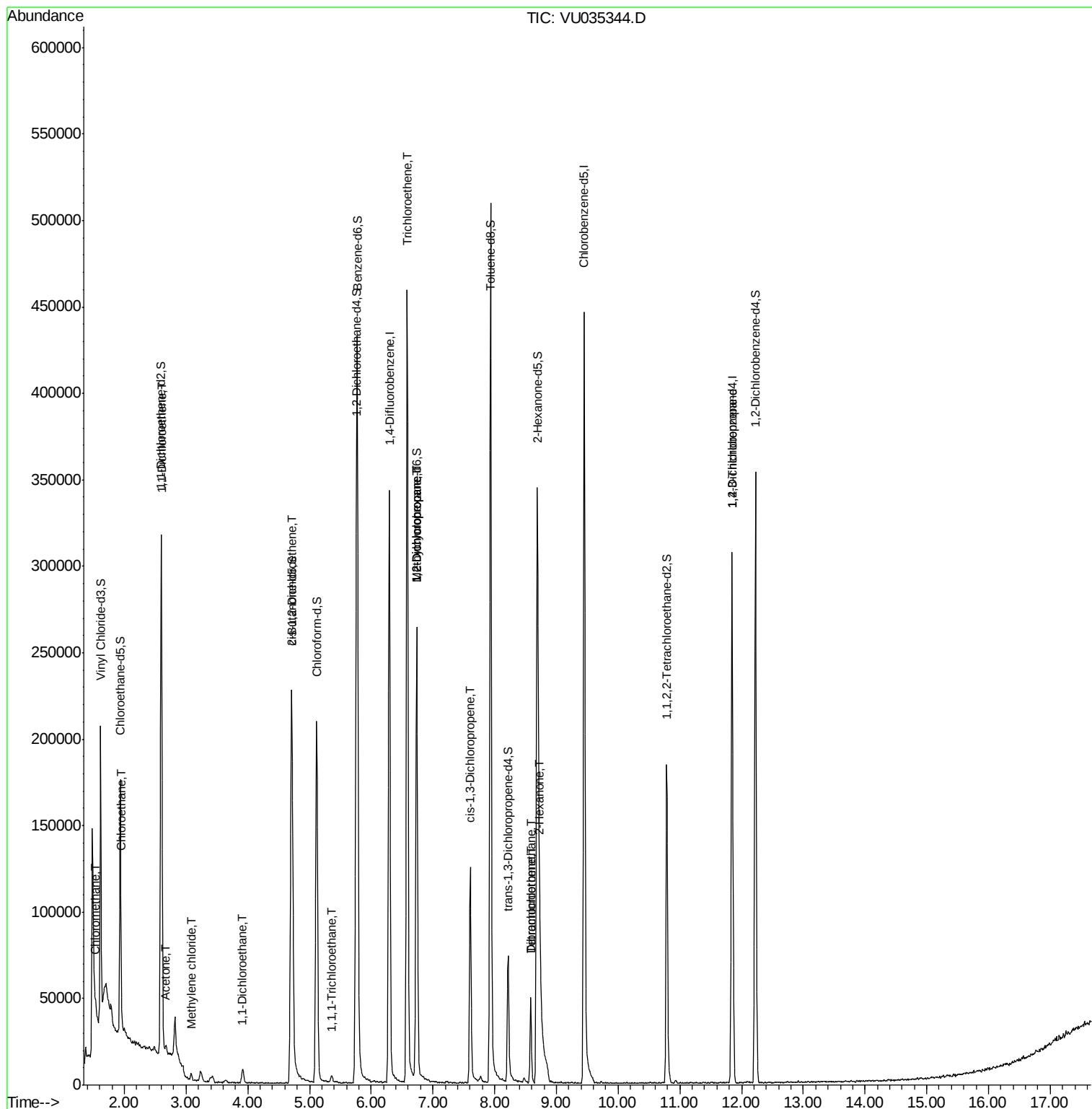
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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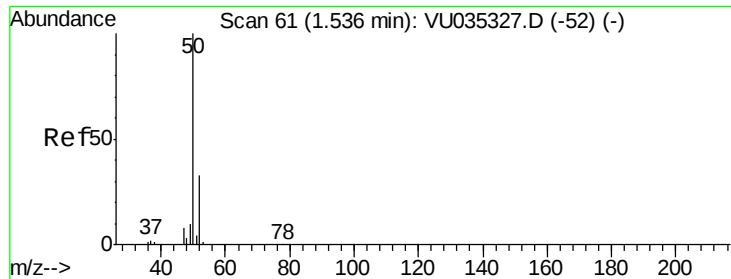
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.174 ug/L

RT: 1.54 min Scan# 61

Delta R.T. 0.00 min

Lab File: VU035344.D

Acq: 22 Oct 2019 01:03

Instrument :

MSVOA_U

ClientSampleId :

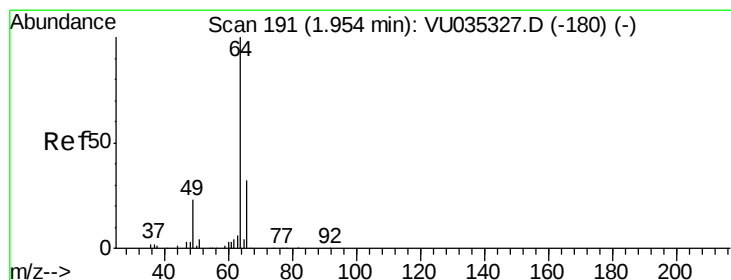
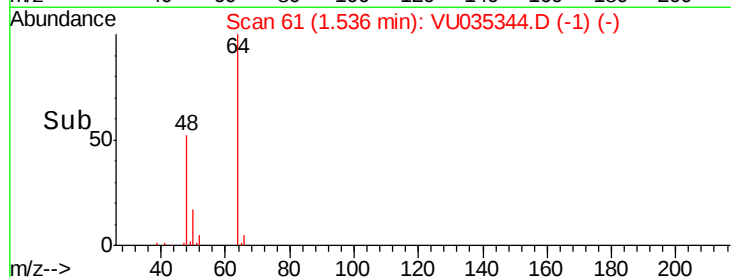
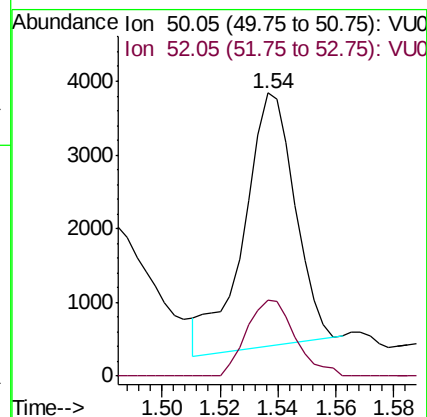
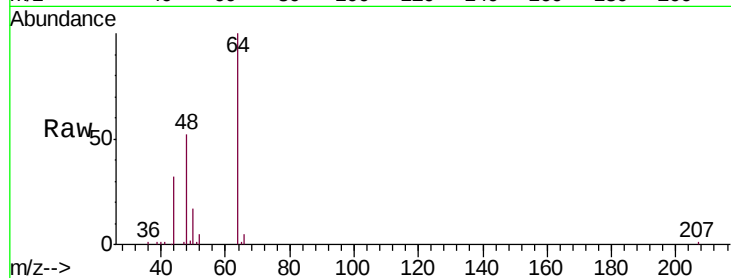
C0K29

Tgt Ion: 50 Resp: 4216

Ion Ratio Lower Upper

50 100

52 27.0 23.5 43.7



#8

Chloroethane

Concen: 0.176 ug/L

RT: 1.95 min Scan# 191

Delta R.T. 0.00 min

Lab File: VU035344.D

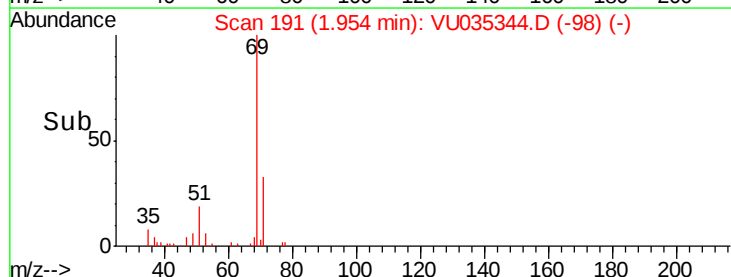
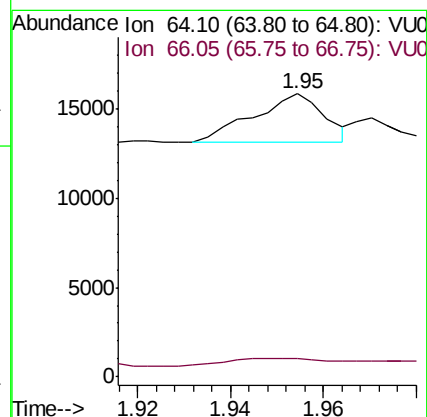
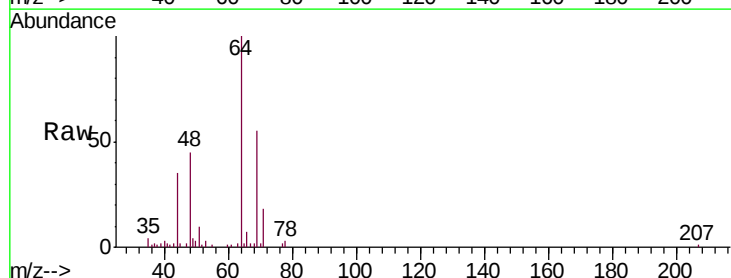
Acq: 22 Oct 2019 01:03

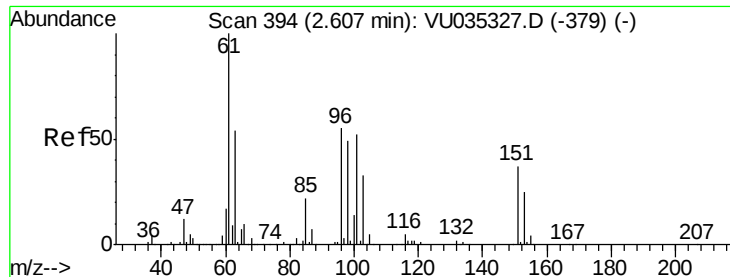
Tgt Ion: 64 Resp: 2815

Ion Ratio Lower Upper

64 100

66 6.6 22.7 42.1#





#12

1,1-Dichloroethene

Concen: 1.490 ug/L

RT: 2.61 min Scan# 395

Delta R.T. 0.00 min

Lab File: VU035344.D

Acq: 22 Oct 2019 01:03

Instrument :

MSVOA_U

ClientSampleId :

C0K29

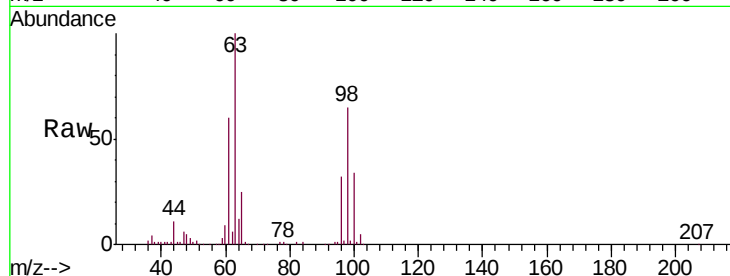
Tgt Ion: 96 Resp: 27407

Ion Ratio Lower Upper

96 100

61 190.5 120.6 224.0

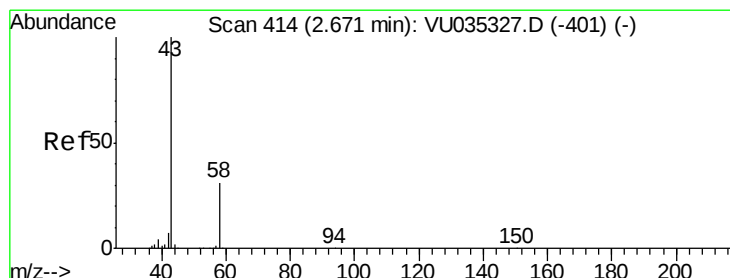
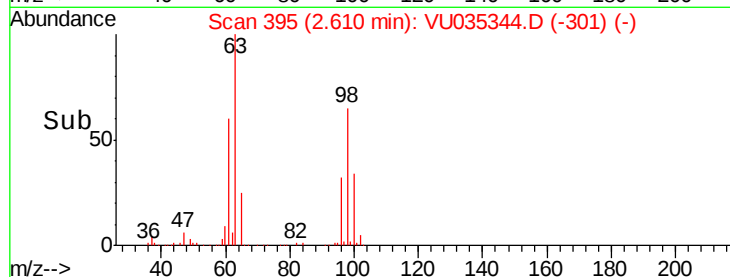
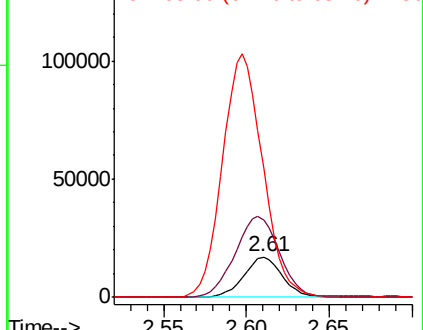
63 315.7 86.8 161.2#



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0



#13

Acetone

Concen: 1.253 ug/L

RT: 2.67 min Scan# 413

Delta R.T. -0.00 min

Lab File: VU035344.D

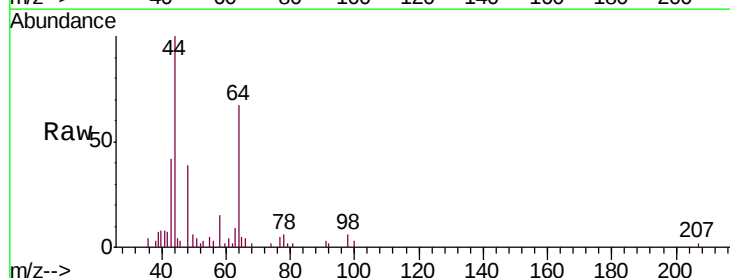
Acq: 22 Oct 2019 01:03

Tgt Ion: 43 Resp: 4370

Ion Ratio Lower Upper

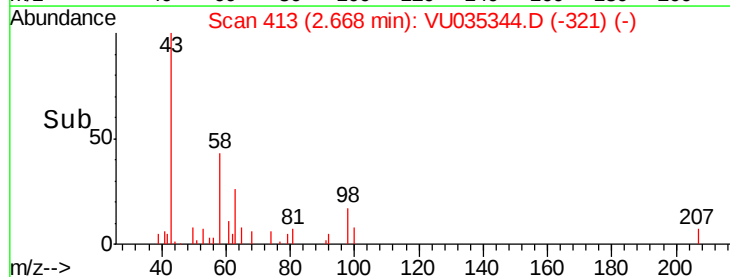
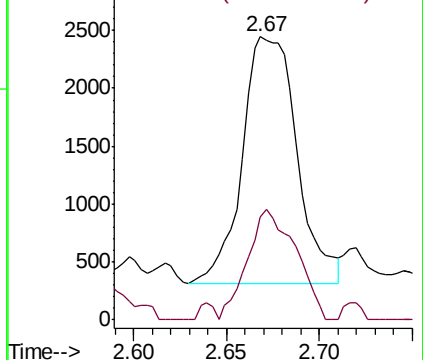
43 100

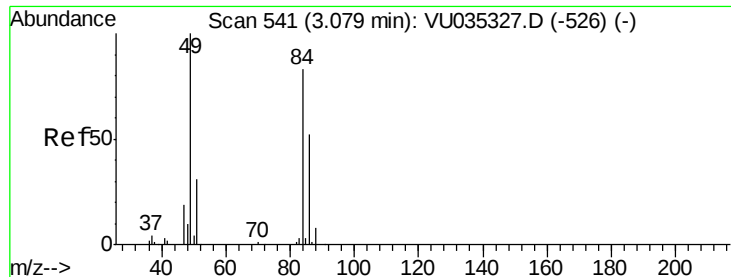
58 39.9 0.0 61.8



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

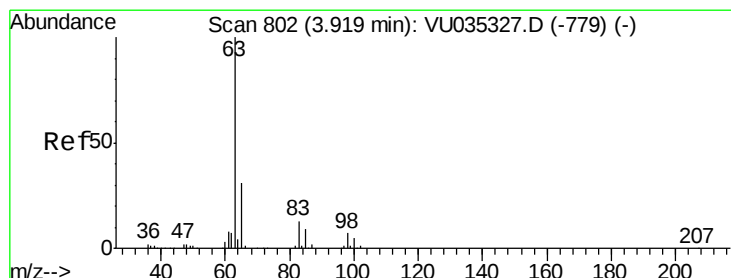
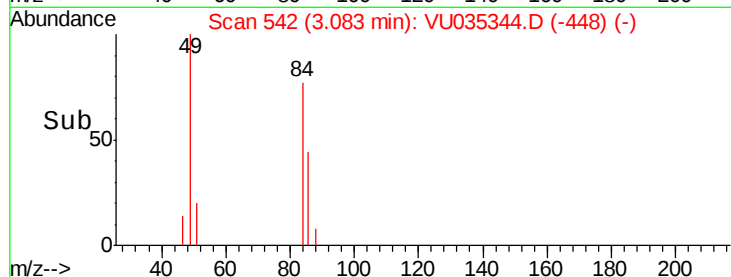
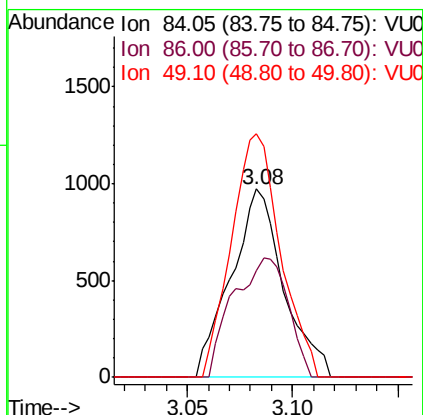
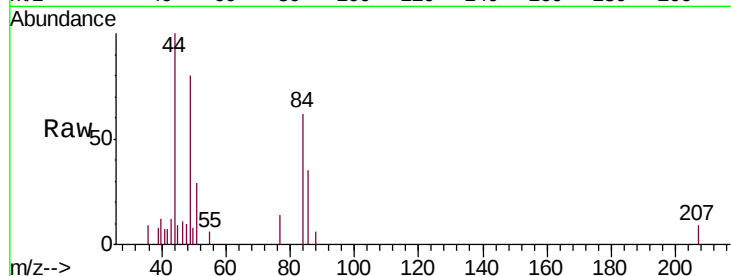




#16
Methylene chloride
Concen: 0.076 ug/L
RT: 3.08 min Scan# 542
Delta R.T. 0.00 min
Lab File: VU035344.D
Acq: 22 Oct 2019 01:03

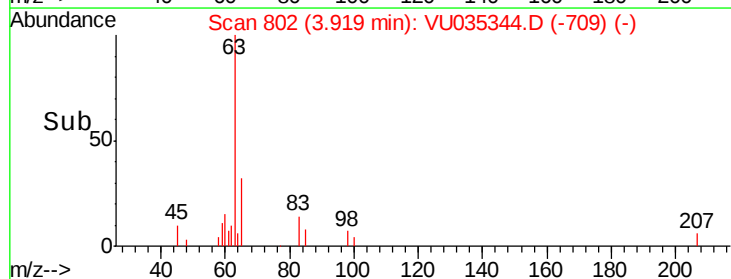
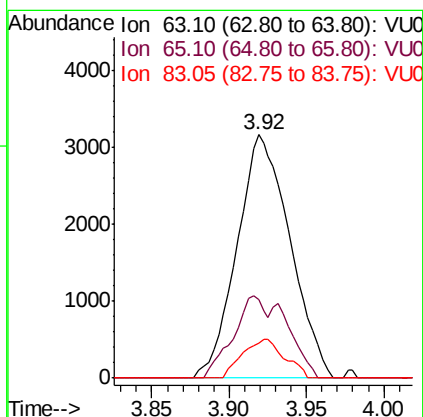
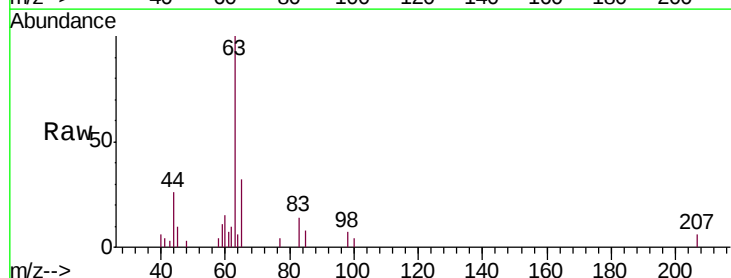
Instrument :
MSVOA_U
ClientSampleId :
C0K29

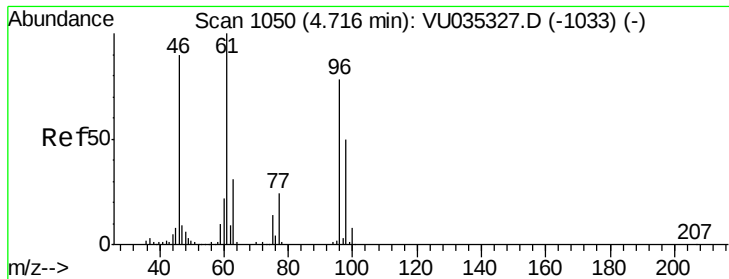
Tgt Ion: 84 Resp: 1692
Ion Ratio Lower Upper
84 100
86 57.1 45.4 84.2
49 142.8 86.8 161.2



#19
1,1-Dichloroethane
Concen: 0.209 ug/L
RT: 3.92 min Scan# 802
Delta R.T. 0.00 min
Lab File: VU035344.D
Acq: 22 Oct 2019 01:03

Tgt Ion: 63 Resp: 7512
Ion Ratio Lower Upper
63 100
65 32.2 22.4 41.6
83 14.4 9.3 17.3





#22

cis-1,2-Dichloroethene

Concen: 2.185 ug/L

RT: 4.72 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VU035344.D

Acq: 22 Oct 2019 01:03

Instrument :

MSVOA_U

ClientSampled :

C0K29

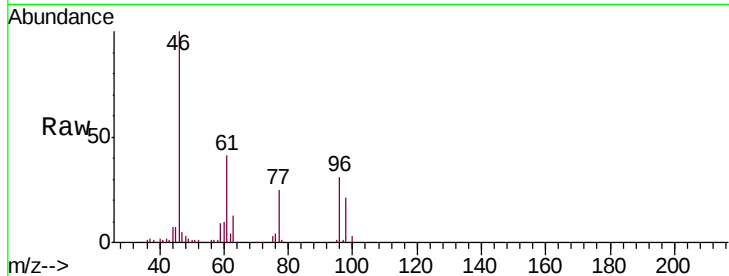
Tgt Ion: 96 Resp: 47921

Ion Ratio Lower Upper

96 100

61 130.3 89.7 166.5

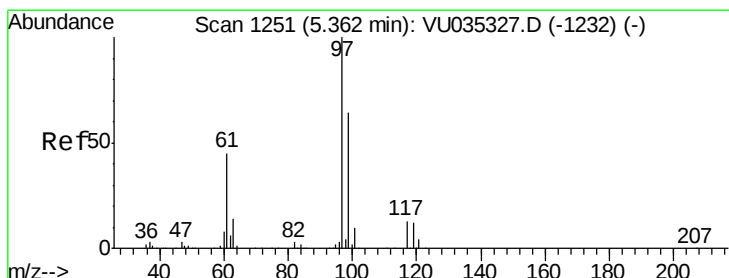
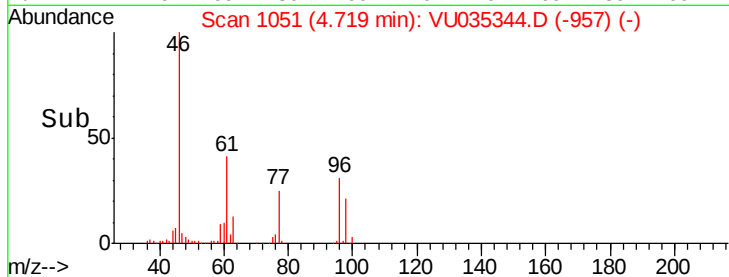
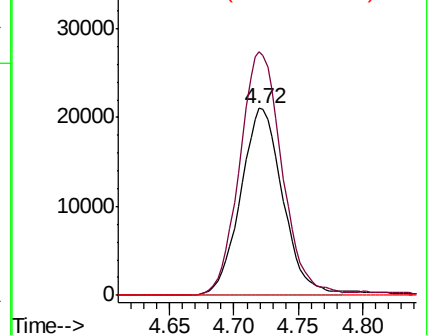
68 0.0 0.0 0.0



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



#29

1,1,1-Trichloroethane

Concen: 0.087 ug/L

RT: 5.37 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VU035344.D

Acq: 22 Oct 2019 01:03

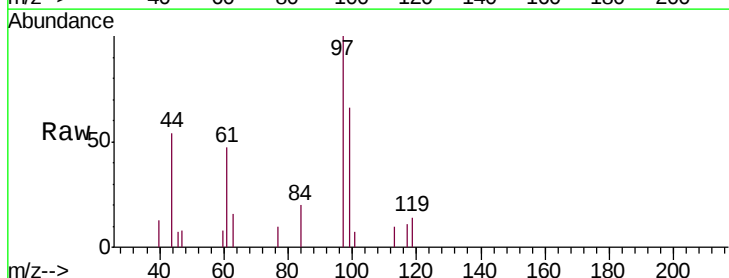
Tgt Ion: 97 Resp: 2886

Ion Ratio Lower Upper

97 100

99 67.4 52.6 79.0

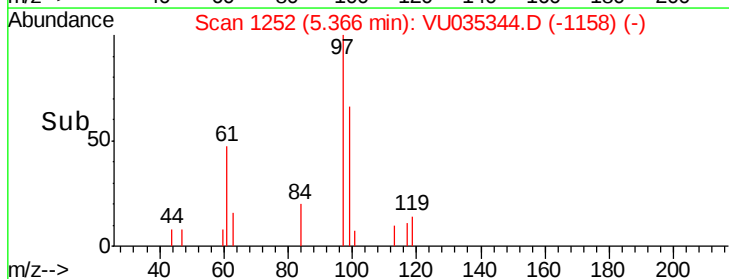
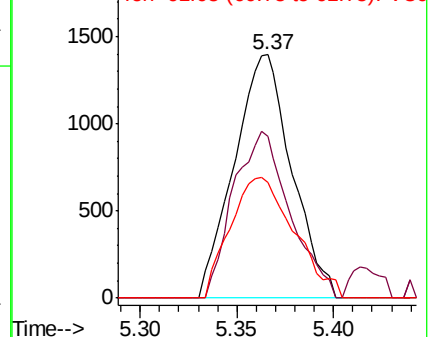
61 55.1 37.0 55.4

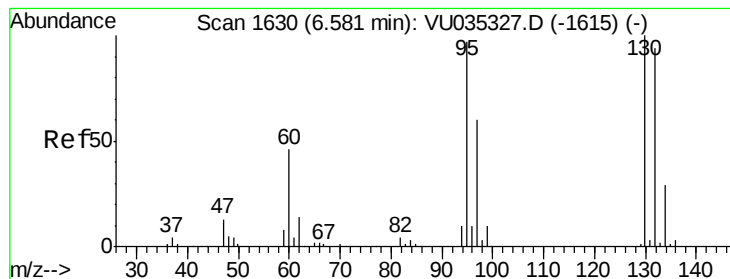


Abundance Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

Ion 61.05 (60.75 to 61.75): VU0





#34

Trichloroethene

Concen: 7.001 ug/L

RT: 6.58 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VU035344.D

Acq: 22 Oct 2019 01:03

Instrument :

MSVOA_U

ClientSampleId :

C0K29

Tgt Ion: 95 Resp: 156381

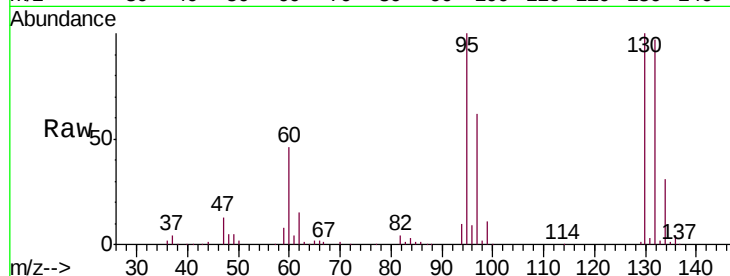
Ion Ratio Lower Upper

95 100

97 62.4 46.6 86.6

132 97.3 68.7 127.7

130 99.9 73.9 137.3

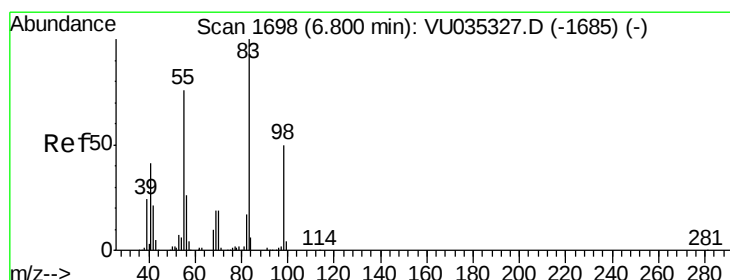
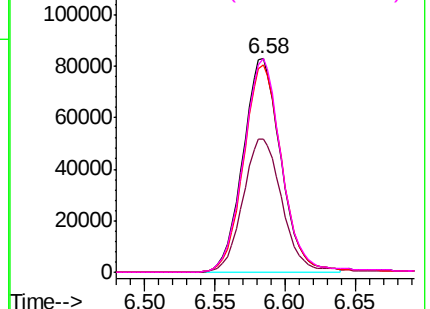
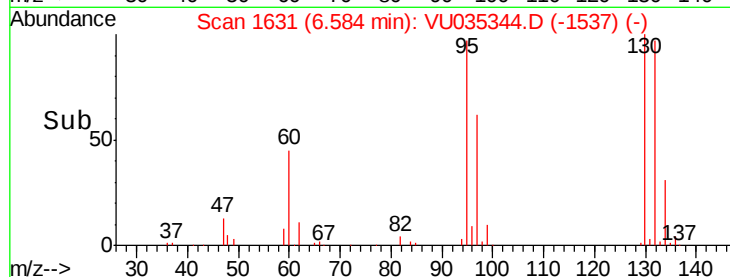


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 0.769 ug/L

RT: 6.74 min Scan# 1678

Delta R.T. -0.06 min

Lab File: VU035344.D

Acq: 22 Oct 2019 01:03

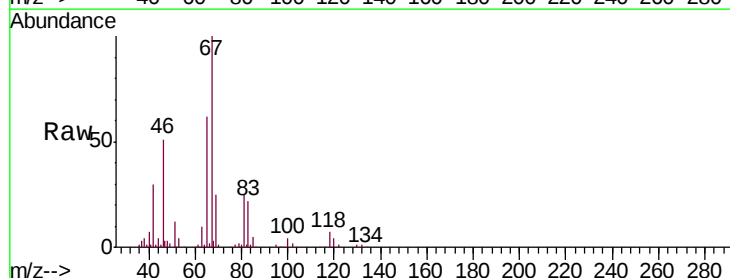
Tgt Ion: 83 Resp: 28692

Ion Ratio Lower Upper

83 100

55 0.3 60.4 90.6#

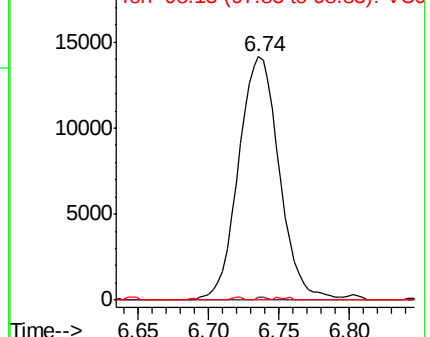
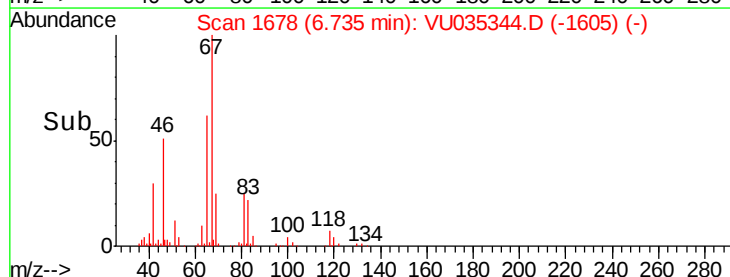
98 0.4 39.5 59.3#

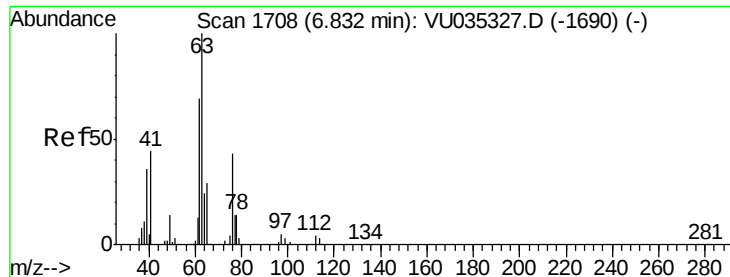


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

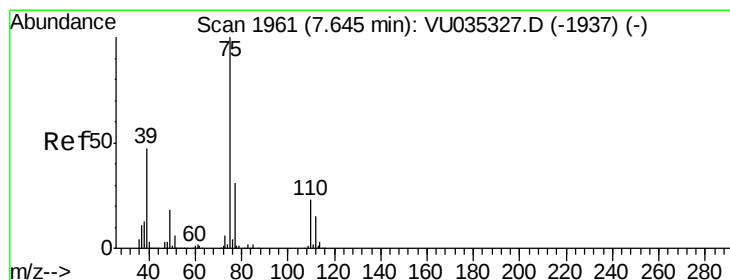
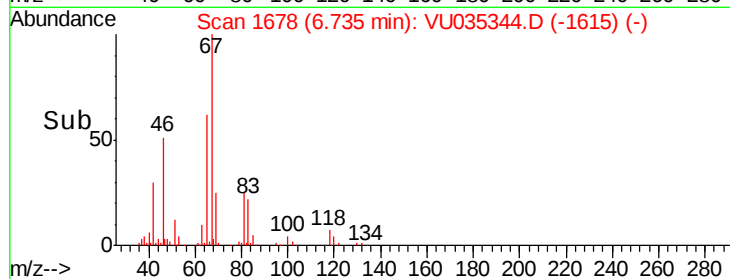
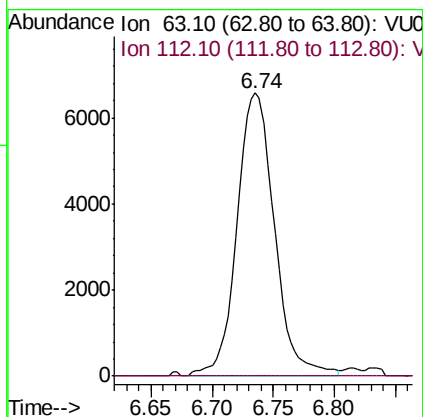
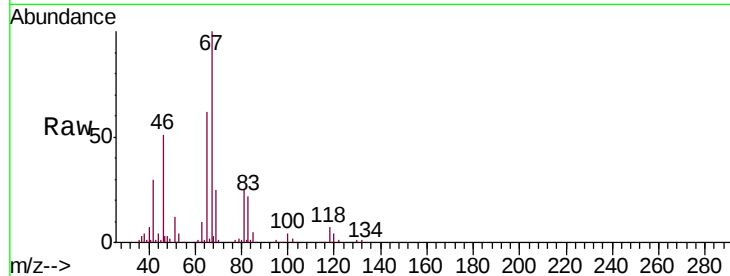




#37
 1,2-Dichloropropane
 Concen: 0.662 ug/L
 RT: 6.74 min Scan# 1678
 Delta R.T. -0.10 min
 Lab File: VU035344.D
 Acq: 22 Oct 2019 01:03

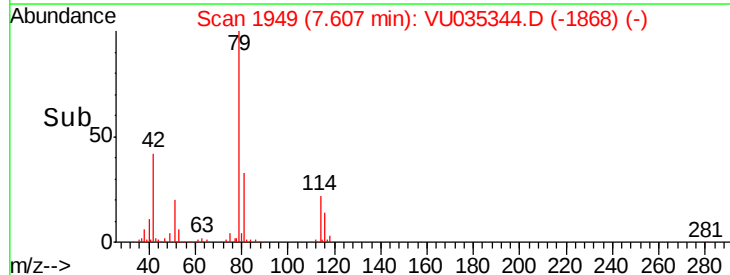
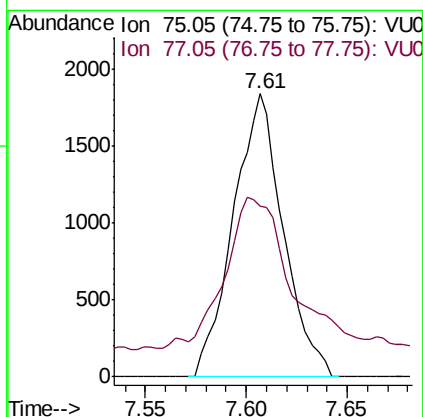
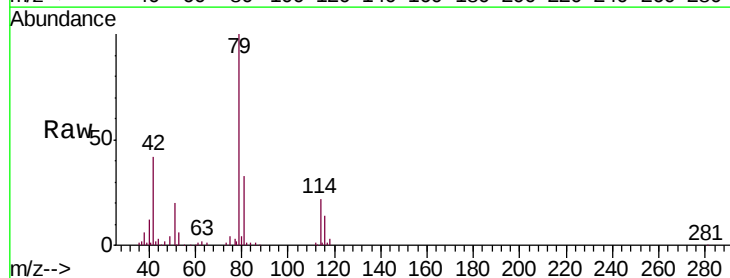
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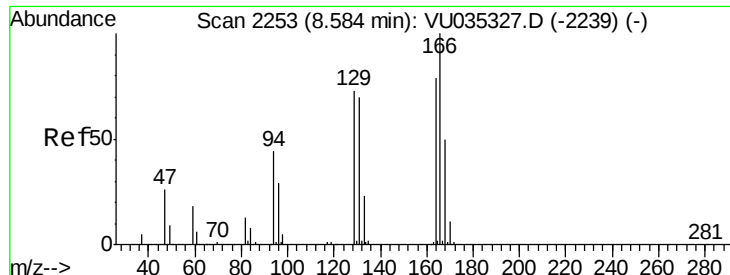
Tgt Ion: 63 Resp: 13956
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.7 5.5#



#39
 cis-1,3-Dichloropropene
 Concen: 0.090 ug/L
 RT: 7.61 min Scan# 1949
 Delta R.T. -0.04 min
 Lab File: VU035344.D
 Acq: 22 Oct 2019 01:03

Tgt Ion: 75 Resp: 3186
 Ion Ratio Lower Upper
 75 100
 77 60.4 22.7 42.1#





#47

Tetrachloroethene

Concen: 0.609 ug/L

RT: 8.59 min Scan# 2254

Delta R.T. 0.00 min

Lab File: VU035344.D

Acq: 22 Oct 2019 01:03

Instrument :

MSVOA_U

ClientSampleId :

C0K29

Tgt Ion:164 Resp: 11328

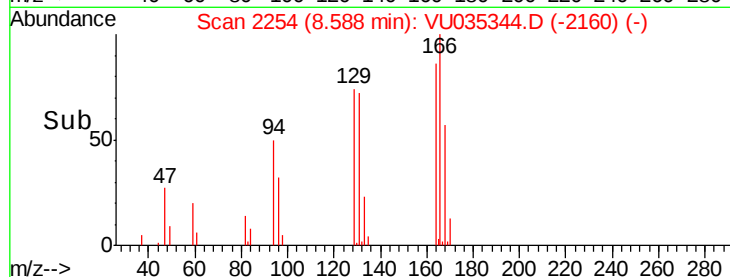
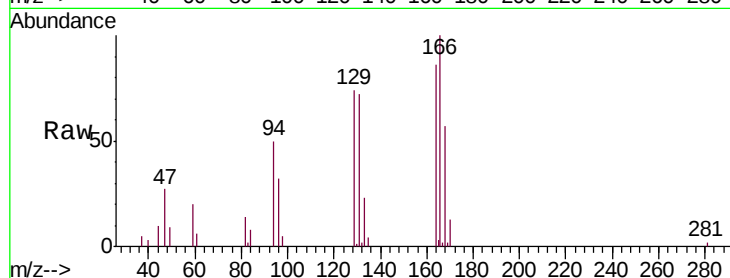
Ion Ratio Lower Upper

164 100

129 86.4 65.2 121.0

131 84.5 62.9 116.9

166 116.9 91.5 169.9

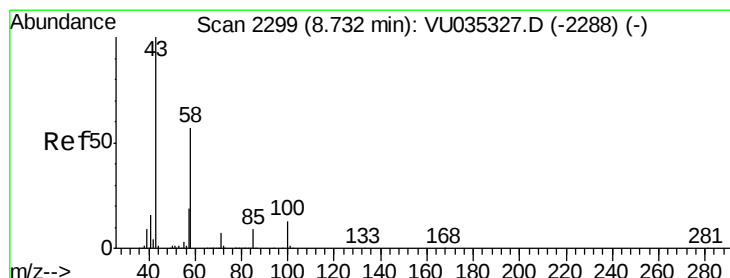
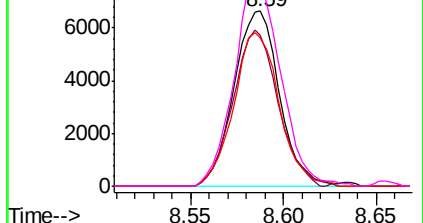


Abundance Ion 163.90 (163.60 to 164.60): V

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: 1.220 ug/L

RT: 8.74 min Scan# 2300

Delta R.T. 0.00 min

Lab File: VU035344.D

Acq: 22 Oct 2019 01:03

Tgt Ion: 43 Resp: 12181

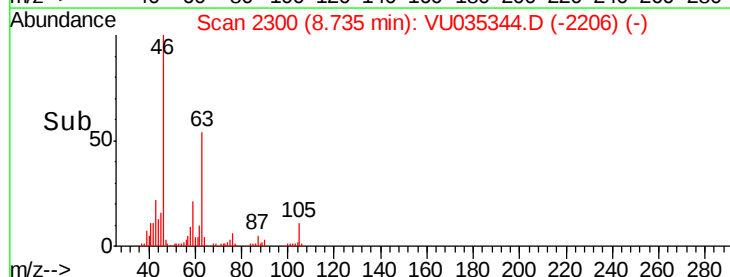
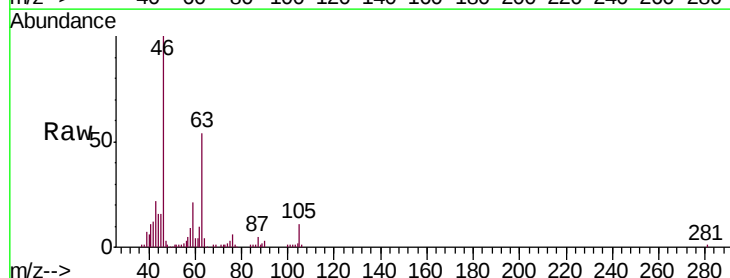
Ion Ratio Lower Upper

43 100

58 56.7 45.1 67.7

57 0.0 16.0 24.0#

100 7.0 10.4 15.6#

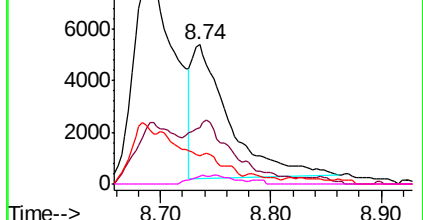


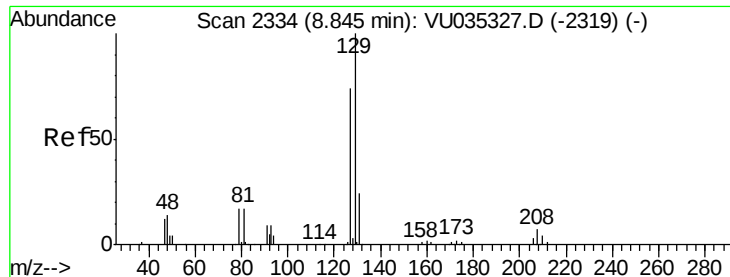
Abundance Ion 43.05 (42.75 to 43.75): VU0

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: 0.500 ug/L

RT: 8.58 min Scan# 2253

Delta R.T. -0.26 min

Lab File: VU035344.D

Acq: 22 Oct 2019 01:03

Instrument :

MSVOA_U

ClientSampleId :

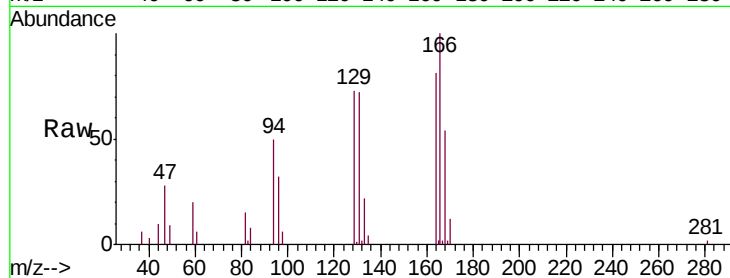
C0K29

Tgt Ion:129 Resp: 9936

Ion Ratio Lower Upper

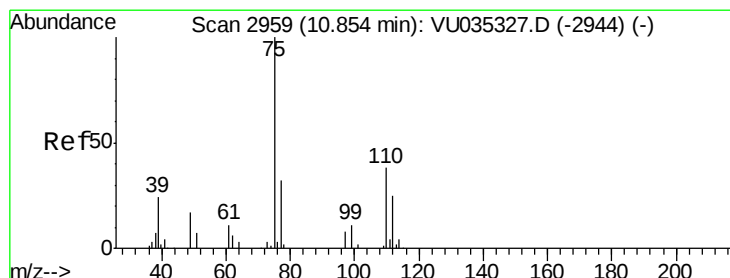
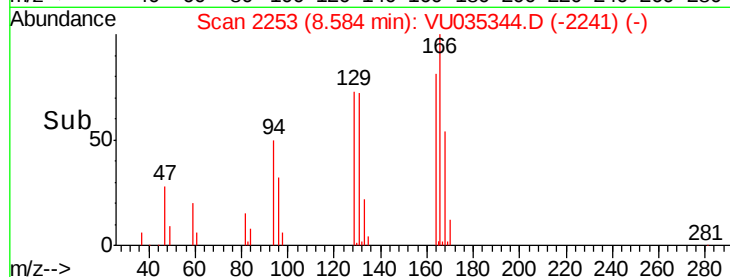
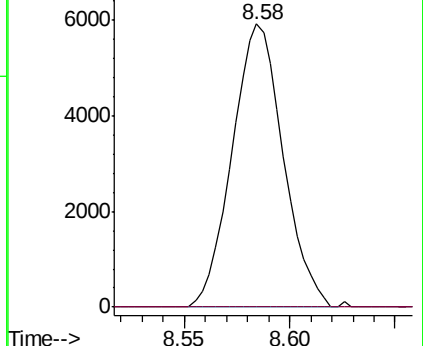
129 100

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: 0.828 ug/L

RT: 11.84 min Scan# 3267

Delta R.T. 0.99 min

Lab File: VU035344.D

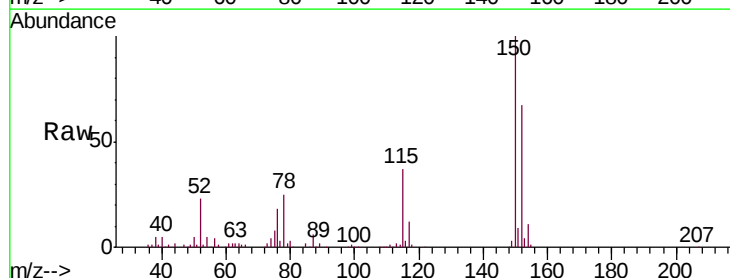
Acq: 22 Oct 2019 01:03

Tgt Ion: 75 Resp: 12165

Ion Ratio Lower Upper

75 100

77 33.9 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

