

Data File : VU034937.D
Acq On : 04 Oct 2019 16:01
Operator : JC/SP
Sample : K5196-03
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0K02

Quant Time: Oct 05 00:34:21 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR093019WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Oct 05 00:29:19 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	206881	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	206253	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	85816	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	74691	5.10	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	102.00%
7) Chloroethane-d5	1.68	69	64560	5.40	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	108.00%
11) 1,1-Dichloroethene-d2	2.26	63	104707	4.17	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	83.40%
20) 2-Butanone-d5	4.17	46	185400	44.46	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	88.92%
24) Chloroform-d	4.62	84	131585	5.31	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.20%
26) 1,2-Dichloroethane-d4	5.29	65	73249	4.75	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.00%
32) Benzene-d6	5.32	84	268558	5.28	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.60%
36) 1,2-Dichloropropane-d6	6.31	67	89886	5.29	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	105.80%
41) Toluene-d8	7.54	98	246999	5.06	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.20%
43) trans-1,3-Dichloropropene-	7.84	79	28742	4.60	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.00%
46) 2-Hexanone-d5	8.30	63	146041	47.36	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	94.72%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	69624	5.14	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.80%
64) 1,2-Dichlorobenzene-d4	11.84	152	86136	6.05	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	121.00%#

Target Compounds

					Qvalue
3) Chloromethane	1.32	50	2851	0.285 ug/L	95
12) 1,1-Dichloroethene	2.27	96	2703	0.389 ug/L #	1
18) trans-1,2-Dichloroethene	2.96	96	624	0.087 ug/L #	67
19) 1,1-Dichloroethane	3.42	63	3108	0.141 ug/L #	96
22) cis-1,2-Dichloroethene	4.20	96	28144	2.573 ug/L	88
25) Chloroform	4.65	83	5936	0.223 ug/L	90
31) Carbon tetrachloride	5.12	117	3544	0.241 ug/L	88
34) Trichloroethene	6.16	95	117762	10.745 ug/L	92
35) Methylcyclohexane	6.31	83	19855	1.451 ug/L #	15
37) 1,2-Dichloropropane	6.31	63	9912	0.700 ug/L #	90
44) trans-1,3-Dichloropropene	7.83	75	1308	0.085 ug/L #	60
47) Tetrachloroethene	8.21	164	5702	0.786 ug/L	96
48) 2-Hexanone	8.30	43	16979	2.086 ug/L #	75
49) Dibromochloromethane	8.21	129	5725	0.507 ug/L #	11
59) 1,2,3-Trichloropropane	11.46	75	11393	1.126 ug/L	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU100419\
Quantitation Report (Not Reviewed)

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Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Oct 05 00:29:19 2019
Response via : Initial Calibration

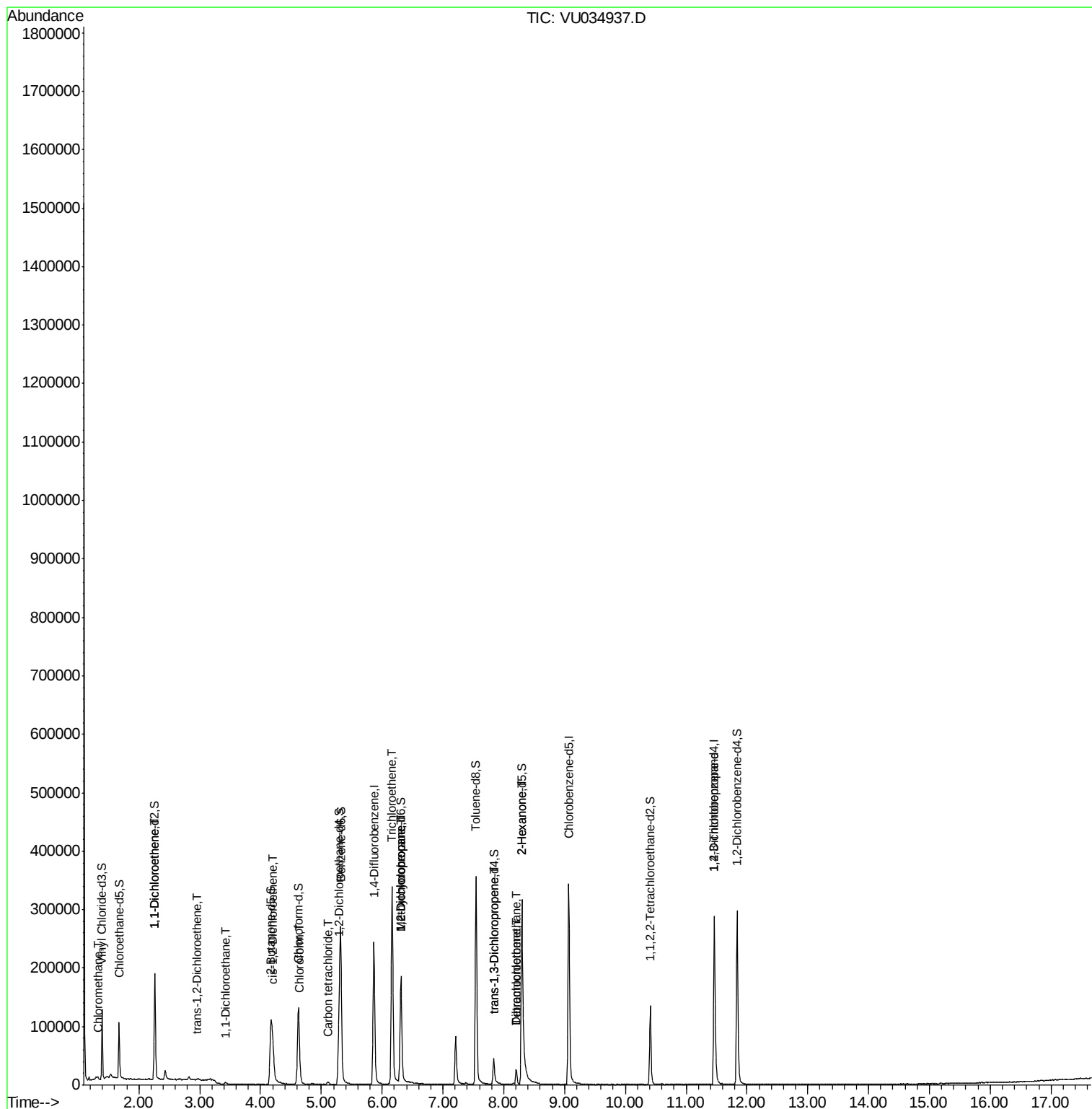
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

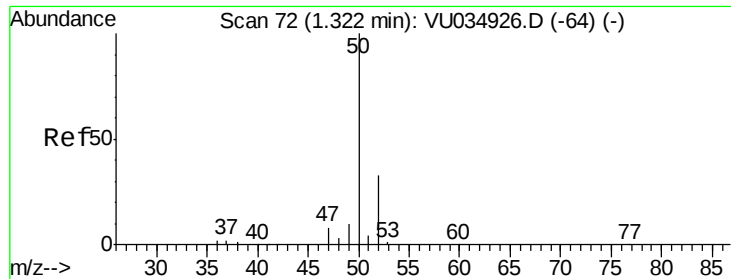
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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#3

Chloromethane

Concen: 0.285 ug/L

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU034937.D

Acq: 04 Oct 2019 16:01

Instrument :

MSVOA_U

ClientSampleId :

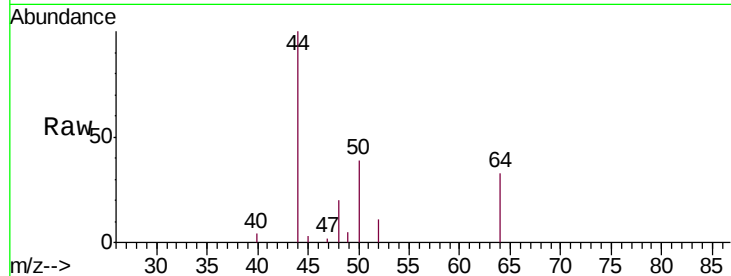
C0K02

Tgt Ion: 50 Resp: 2851

Ion Ratio Lower Upper

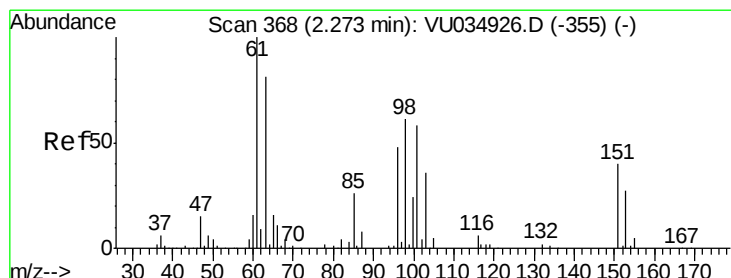
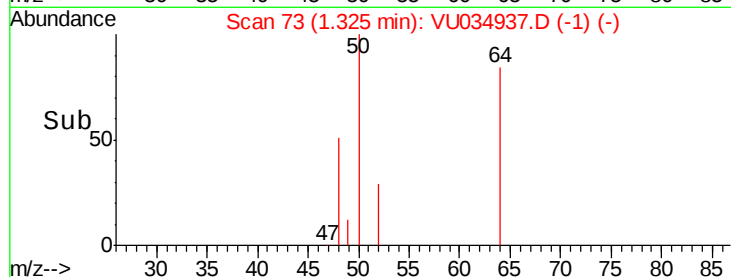
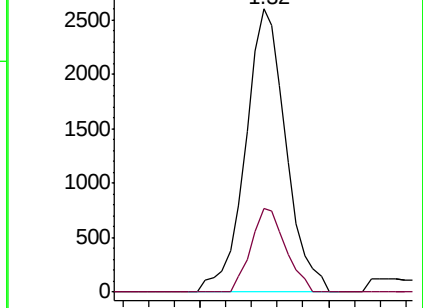
50 100

52 29.4 22.7 42.1



Abundance Ion 50.05 (49.75 to 50.75): VU034926.D (-64) (-)

Ion 52.05 (51.75 to 52.75): VU034926.D (-64) (-)



#12

1,1-Dichloroethene

Concen: 0.389 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.00 min

Lab File: VU034937.D

Acq: 04 Oct 2019 16:01

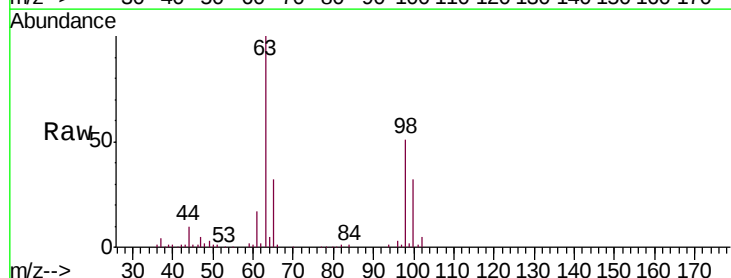
Tgt Ion: 96 Resp: 2703

Ion Ratio Lower Upper

96 100

61 541.9 160.5 298.1#

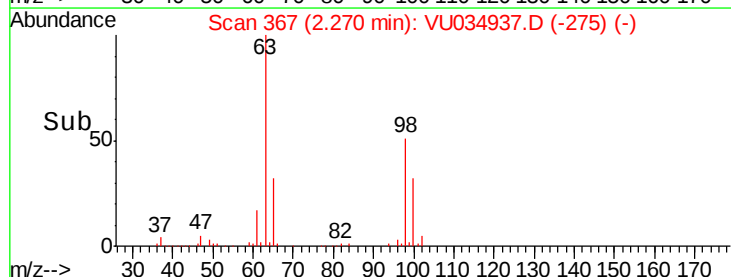
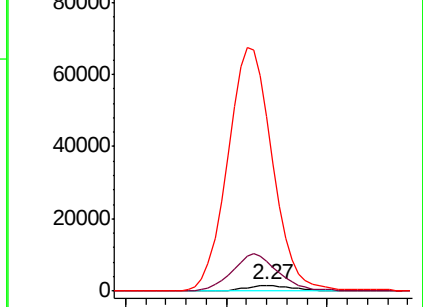
63 3152.9 162.3 301.5#

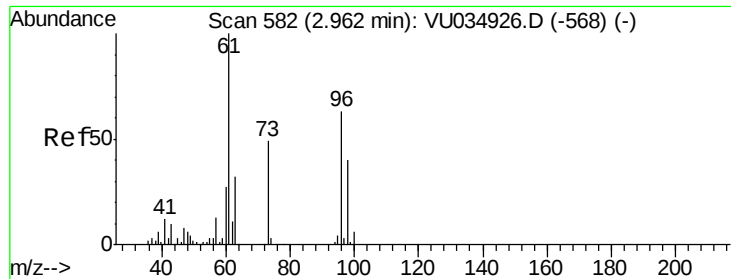


Abundance Ion 96.00 (95.70 to 96.70): VU034926.D (-355) (-)

Ion 61.05 (60.75 to 61.75): VU034926.D (-355) (-)

Ion 63.00 (62.70 to 63.70): VU034926.D (-355) (-)





#18

trans-1,2-Dichloroethene

Concen: 0.087 ug/L

RT: 2.96 min Scan# 581

Delta R.T. -0.00 min

Lab File: VU034937.D

Acq: 04 Oct 2019 16:01

Instrument :

MSVOA_U

ClientSampled :

C0K02

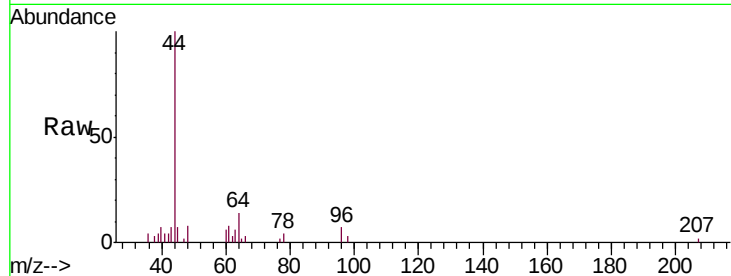
Tgt Ion: 96 Resp: 624

Ion Ratio Lower Upper

96 100

61 118.4 121.0 224.8#

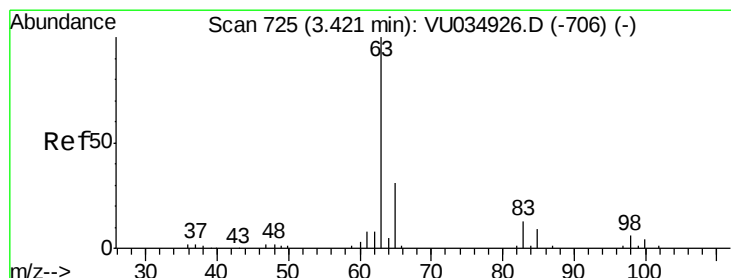
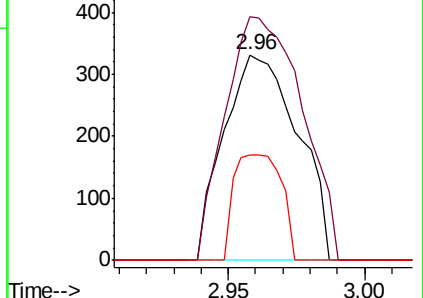
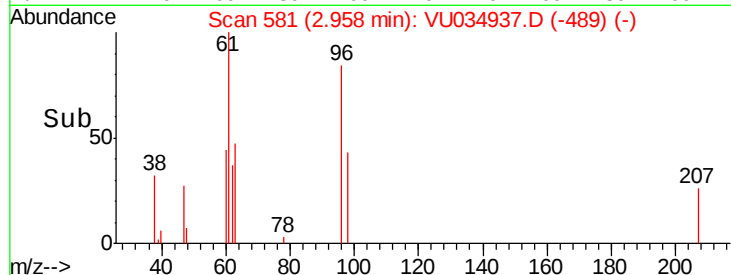
98 50.9 44.7 83.1



Abundance Ion 96.00 (95.70 to 96.70): VU034937.D (-489) (-)

Ion 61.05 (60.75 to 61.75): VU034937.D (-489) (-)

Ion 97.95 (97.65 to 98.65): VU034937.D (-489) (-)



#19

1,1-Dichloroethane

Concen: 0.141 ug/L

RT: 3.42 min Scan# 726

Delta R.T. 0.00 min

Lab File: VU034937.D

Acq: 04 Oct 2019 16:01

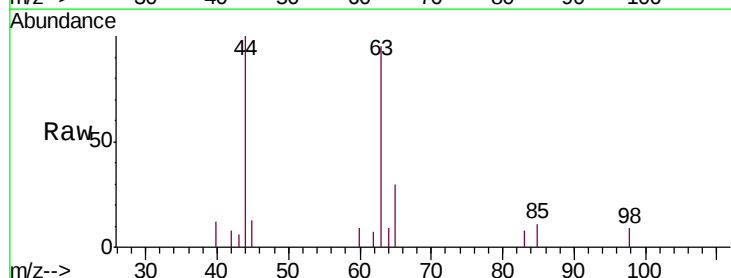
Tgt Ion: 63 Resp: 3108

Ion Ratio Lower Upper

63 100

65 31.7 22.7 42.1

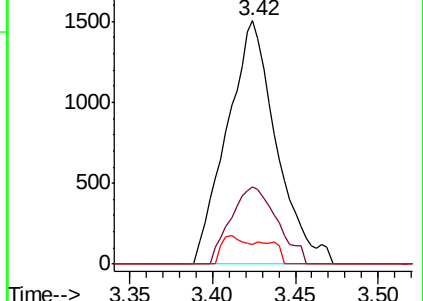
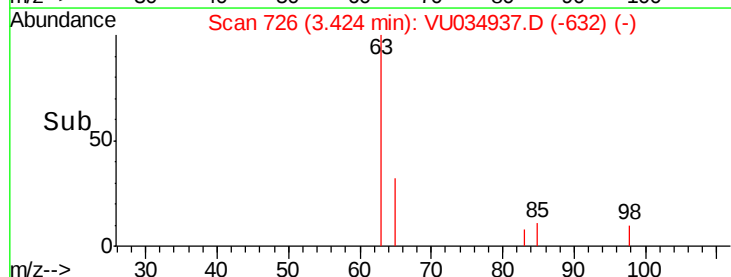
83 8.2 8.4 15.6#

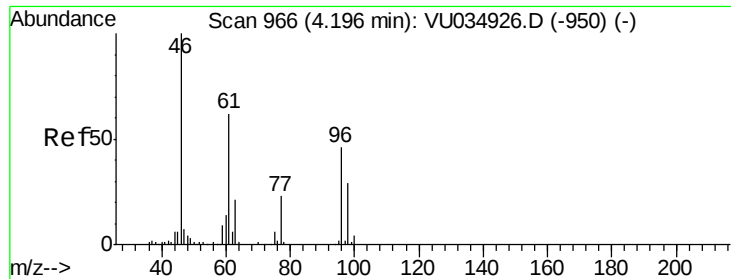


Abundance Ion 63.10 (62.80 to 63.80): VU034937.D (-632) (-)

Ion 65.10 (64.80 to 65.80): VU034937.D (-632) (-)

Ion 83.05 (82.75 to 83.75): VU034937.D (-632) (-)



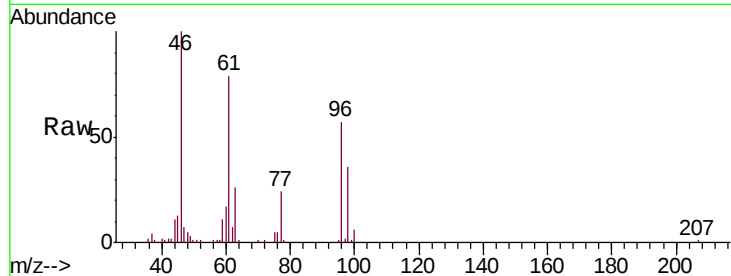


#22

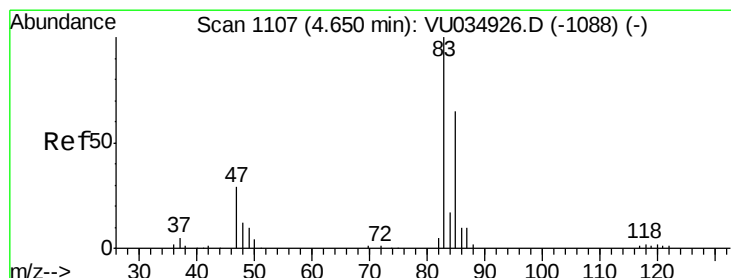
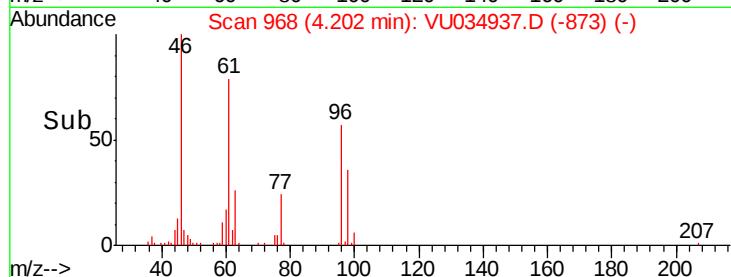
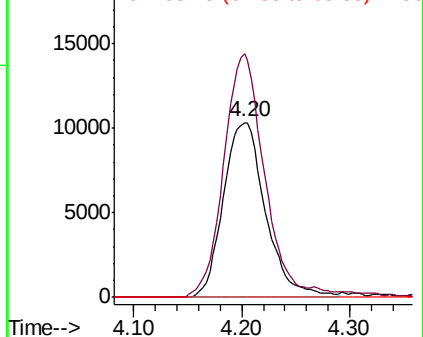
cis-1,2-Dichloroethene
 Concen: 2.573 ug/L
 RT: 4.20 min Scan# 968
 Delta R.T. 0.01 min
 Lab File: VU034937.D
 Acq: 04 Oct 2019 16:01

Instrument :
 MSVOA_U
 ClientSampleId :
 C0K02

Tgt Ion: 96 Resp: 28144
 Ion Ratio Lower Upper
 96 100
 61 139.4 108.6 201.8
 68 0.0 0.0 0.0



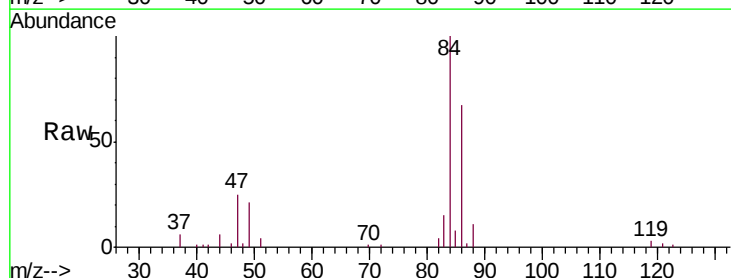
Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0



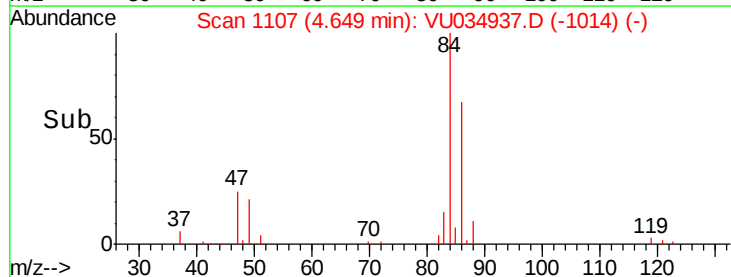
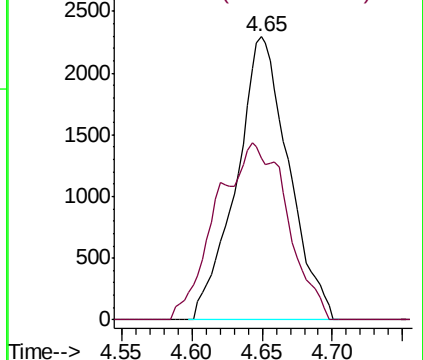
#25

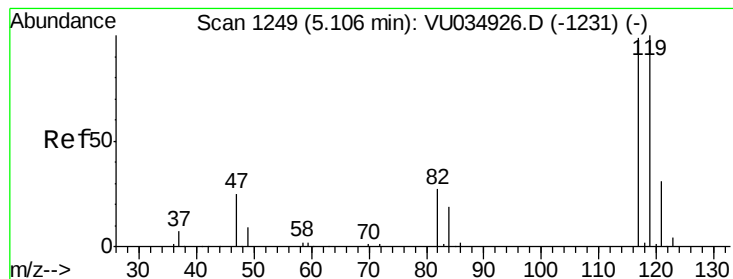
Chloroform
 Concen: 0.223 ug/L
 RT: 4.65 min Scan# 1107
 Delta R.T. -0.00 min
 Lab File: VU034937.D
 Acq: 04 Oct 2019 16:01

Tgt Ion: 83 Resp: 5936
 Ion Ratio Lower Upper
 83 100
 85 57.1 45.2 84.0



Abundance Ion 83.05 (82.75 to 83.75): VU0
 Ion 85.00 (84.70 to 85.70): VU0





#31

Carbon tetrachloride

Concen: 0.241 ug/L

RT: 5.12 min Scan# 1252

Delta R.T. 0.01 min

Lab File: VU034937.D

Acq: 04 Oct 2019 16:01

Instrument :

MSVOA_U

ClientSampleId :

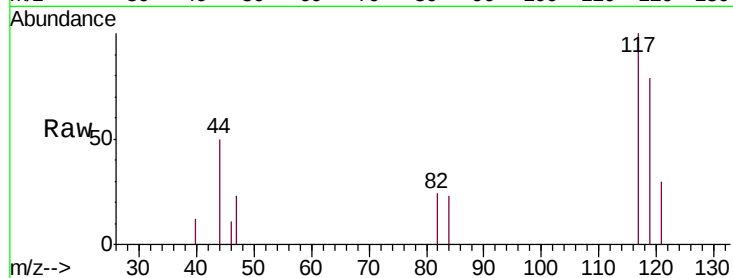
C0K02

Tgt Ion: 117 Resp: 3544

Ion Ratio Lower Upper

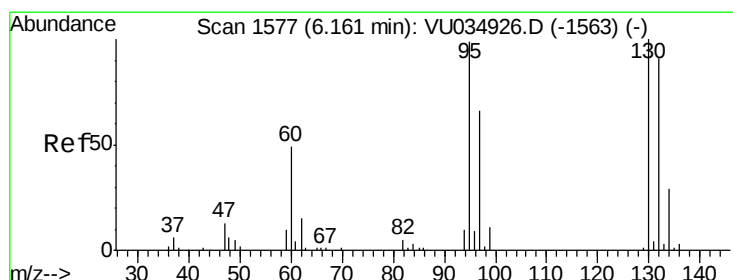
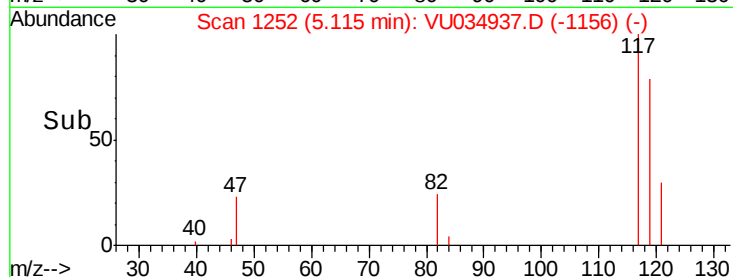
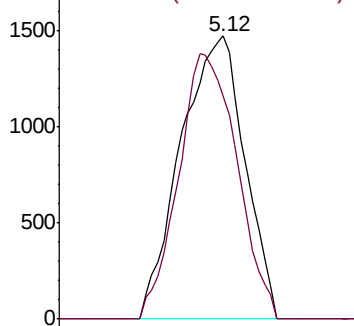
117 100

119 85.6 77.8 116.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#34

Trichloroethene

Concen: 10.745 ug/L

RT: 6.16 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VU034937.D

Acq: 04 Oct 2019 16:01

Tgt Ion: 95 Resp: 117762

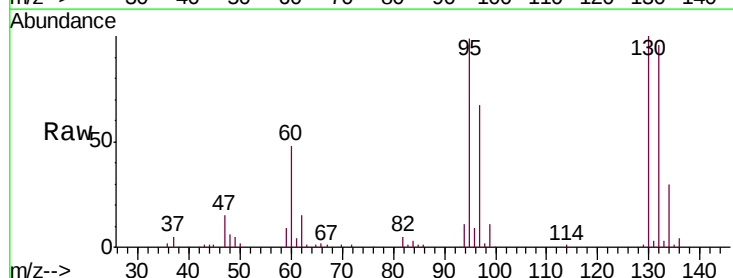
Ion Ratio Lower Upper

95 100

97 67.3 45.1 83.7

132 97.0 61.2 113.8

130 101.2 65.1 120.9

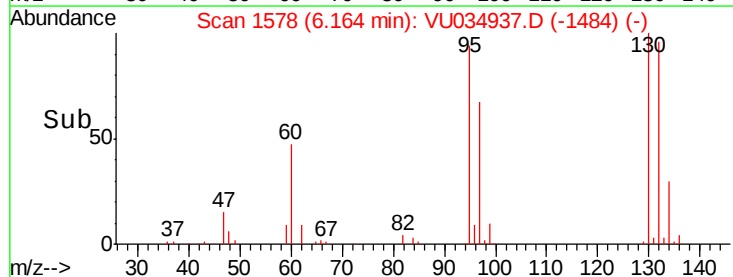
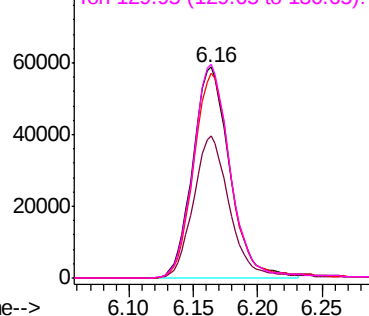


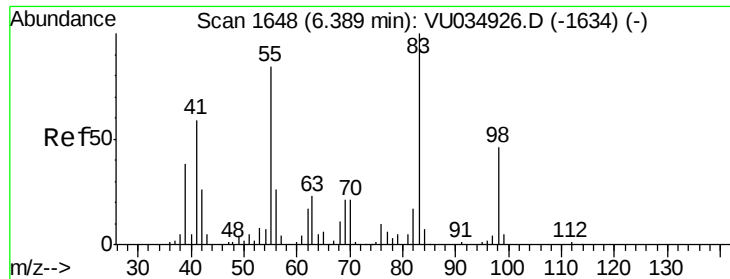
Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 1.451 ug/L

RT: 6.31 min Scan# 1623

Delta R.T. -0.08 min

Lab File: VU034937.D

Acq: 04 Oct 2019 16:01

Instrument :

MSVOA_U

ClientSampleId :

C0K02

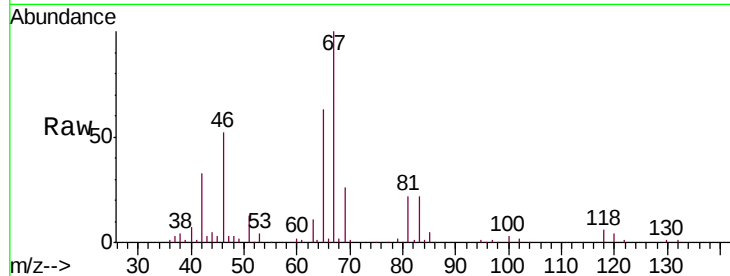
Tgt Ion: 83 Resp: 19855

Ion Ratio Lower Upper

83 100

55 0.2 68.9 103.3#

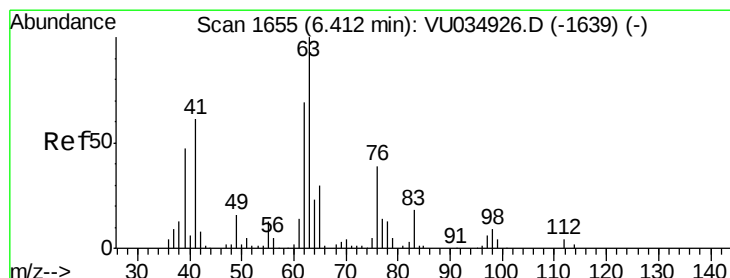
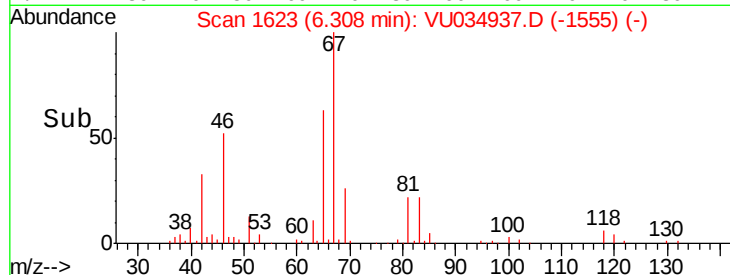
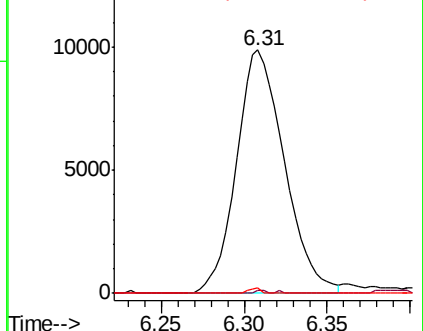
98 0.5 36.6 54.8#



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: 0.700 ug/L

RT: 6.31 min Scan# 1622

Delta R.T. -0.11 min

Lab File: VU034937.D

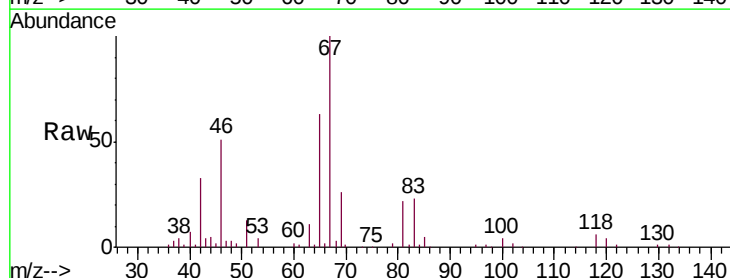
Acq: 04 Oct 2019 16:01

Tgt Ion: 63 Resp: 9912

Ion Ratio Lower Upper

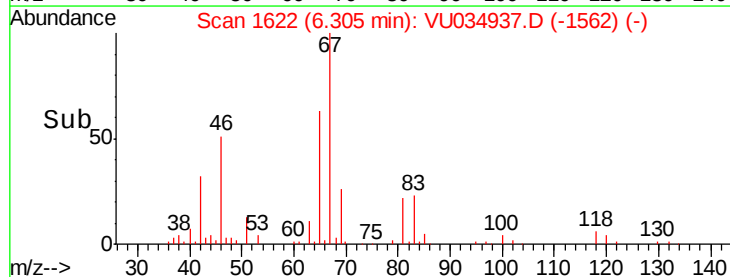
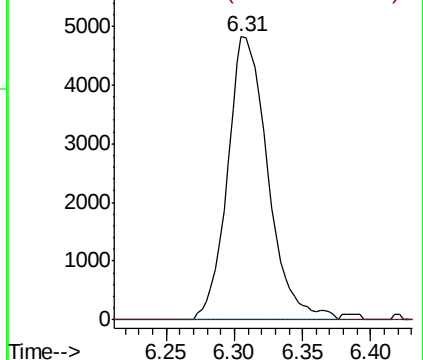
63 100

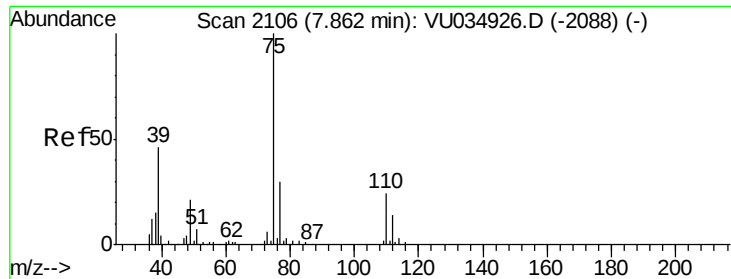
112 0.0 2.6 4.0#



Abundance Ion 63.10 (62.80 to 63.80): VU0

Ion 112.10 (111.80 to 112.80): V





#44

trans-1,3-Dichloropropene

Concen: 0.085 ug/L

RT: 7.83 min Scan# 2097

Delta R.T. -0.03 min

Lab File: VU034937.D

Acq: 04 Oct 2019 16:01

Instrument :

MSVOA_U

ClientSampleId :

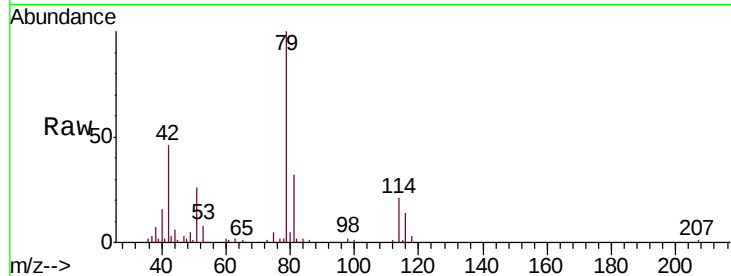
C0K02

Tgt Ion: 75 Resp: 1308

Ion Ratio Lower Upper

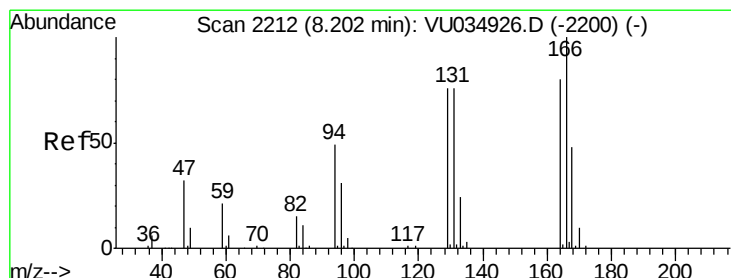
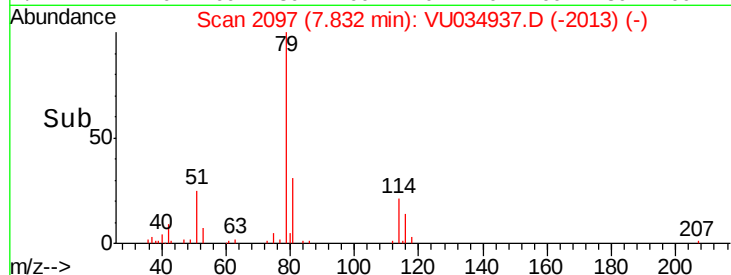
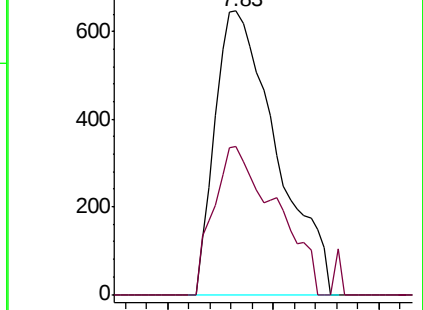
75 100

77 52.1 21.2 39.4#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0



#47

Tetrachloroethene

Concen: 0.786 ug/L

RT: 8.21 min Scan# 2214

Delta R.T. 0.01 min

Lab File: VU034937.D

Acq: 04 Oct 2019 16:01

Tgt Ion: 164 Resp: 5702

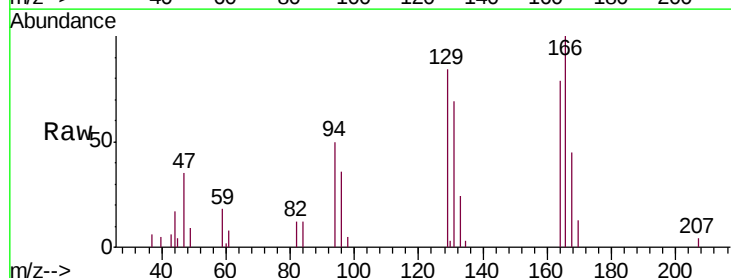
Ion Ratio Lower Upper

164 100

129 105.5 66.3 123.1

131 87.1 62.2 115.4

166 126.0 88.4 164.2

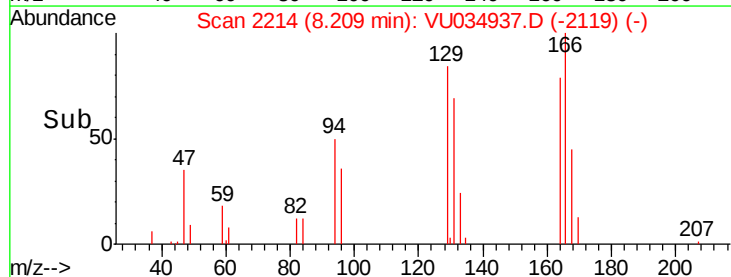
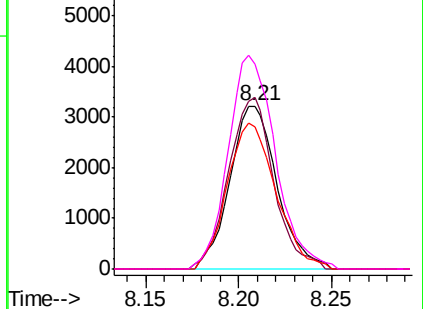


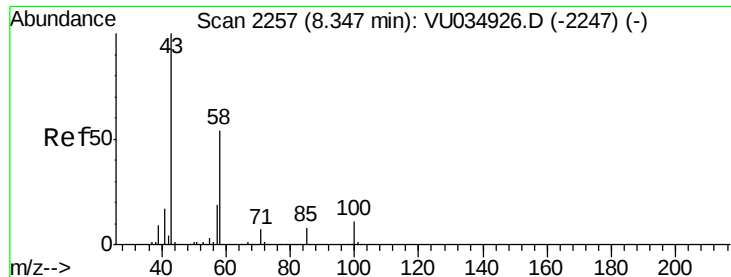
Abundance Ion 163.90 (163.60 to 164.60): V

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

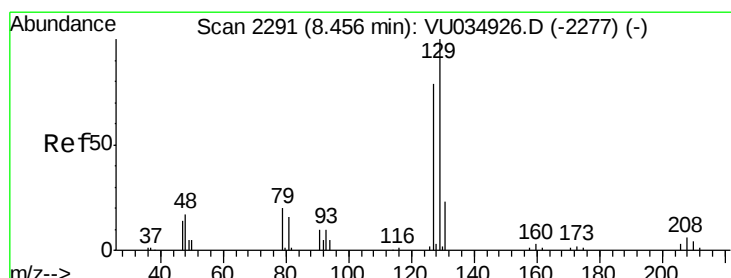
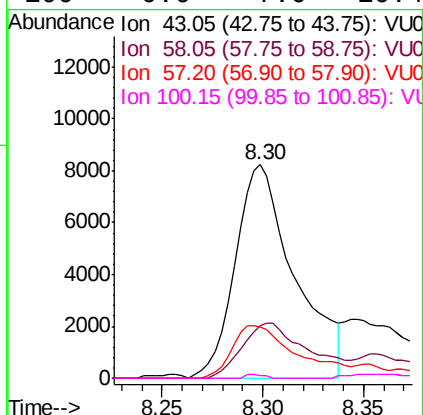
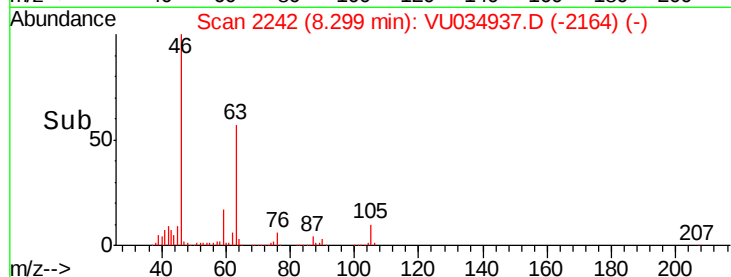
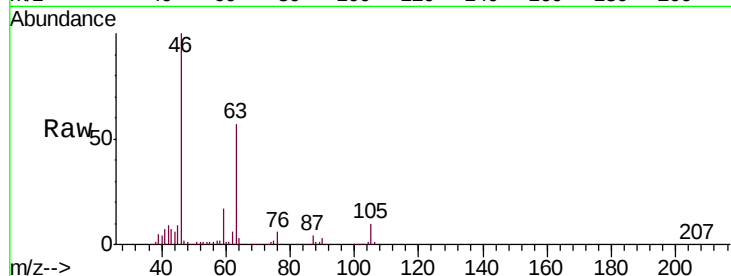




#48
2-Hexanone
Concen: 2.086 ug/L
RT: 8.30 min Scan# 2242
Delta R.T. -0.05 min
Lab File: VU034937.D
Acq: 04 Oct 2019 16:01

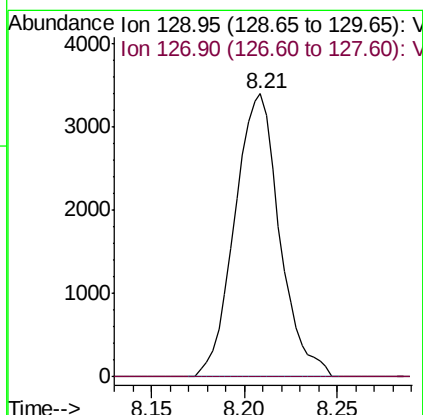
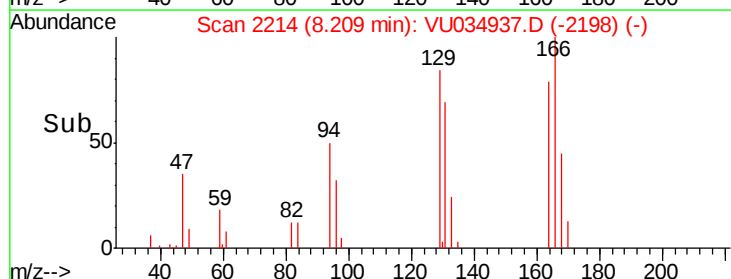
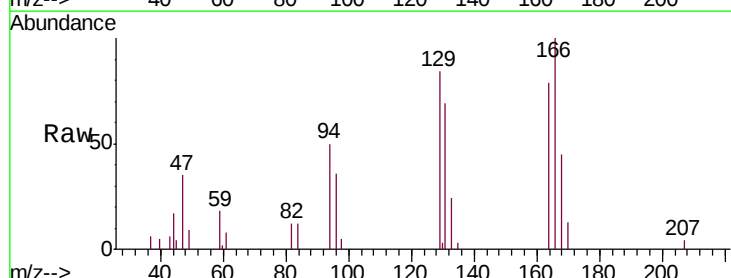
Instrument :
MSVOA_U
ClientSampleId :
C0K02

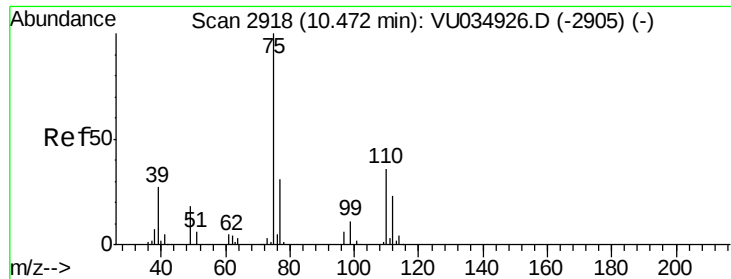
Tgt Ion: 43 Resp: 16979
Ion Ratio Lower Upper
43 100
58 29.1 37.1 55.7#
57 26.9 13.4 20.0#
100 0.6 7.0 10.4#



#49
Dibromochloromethane
Concen: 0.507 ug/L
RT: 8.21 min Scan# 2214
Delta R.T. -0.25 min
Lab File: VU034937.D
Acq: 04 Oct 2019 16:01

Tgt Ion: 129 Resp: 5725
Ion Ratio Lower Upper
129 100
127 0.0 54.3 100.9#





#59
 1,2,3-Trichloropropane
 Concen: 1.126 ug/L
 RT: 11.46 min Scan# 3226
 Delta R.T. 0.99 min
 Lab File: VU034937.D
 Acq: 04 Oct 2019 16:01

Instrument :
 MSVOA_U
 ClientSampleId :
 C0K02

Tgt Ion: 75 Resp: 11393
 Ion Ratio Lower Upper
 75 100
 77 36.1 26.5 39.7

