

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU031119\
 Data File : VU029899.D
 Acq On : 08 Mar 2019 19:42
 Operator : JC/SP
 Sample : K1763-05
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0960

Quant Time: Mar 09 00:26:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Mar 08 22:13:16 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	474467	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	466113	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	232884	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	123324	35.47	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	70.94%
7) Chloroethane-d5	1.68	69	111390	36.04	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	72.08%
11) 1,1-Dichloroethene-d2	2.27	63	225816	33.23	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	66.46%
21) 2-Butanone-d5	4.17	46	228251	107.88	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	107.88%
24) Chloroform-d	4.65	84	285137	50.57	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.14%
26) 1,2-Dichloroethane-d4	5.31	65	164693	46.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.26%
32) Benzene-d6	5.34	84	565071	48.18	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.36%
36) 1,2-Dichloropropane-d6	6.33	67	176339	49.97	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.94%
41) Toluene-d8	7.56	98	522124	43.62	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.24%
43) trans-1,3-Dichloropropene-	7.85	79	81839	43.72	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.44%
47) 2-Hexanone-d5	8.31	63	188715	96.04	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	96.04%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	284688	47.75	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.50%
64) 1,2-Dichlorobenzene-d4	11.86	152	233605	46.55	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.10%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	2.28	96	91948	29.264	ug/L	90
13) Acetone	2.32	43	59414	26.279	ug/L	95
16) Methylene chloride	2.70	84	6379377	2098.247	ug/L	99
19) 1,1-Dichloroethane	3.44	63	12456	2.484	ug/L	100
20) cis-1,2-Dichloroethene	4.22	96	229037	67.969	ug/L	99
22) 2-Butanone	4.27	43	11059	4.286	ug/L	77
23) Bromochloromethane	4.55	128	3681	1.993	ug/L #	92
25) Chloroform	4.67	83	313361	56.009	ug/L	100
30) 1,1,1-Trichloroethane	4.91	97	11621	2.351	ug/L	97
31) Carbon tetrachloride	5.13	117	5400	1.207	ug/L	97
34) Trichloroethene	6.19	95	11639577	3615.548	ug/L	94
38) Bromodichloromethane	6.76	83	17110	4.046	ug/L #	97
42) Toluene	7.64	91	31344	2.218	ug/L	98
45) 1,1,2-Trichloroethane	8.07	97	8847	2.646	ug/L	96
46) Tetrachloroethene	8.22	164	63246	20.072	ug/L	96
49) Dibromochloromethane	8.47	129	6517	1.608	ug/L	100
54) o-xylene	9.78	106	128764	19.896	ug/L	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU031119\
Data File : VU029899.D
Acq On : 08 Mar 2019 19:42
Operator : JC/SP
Sample : K1763-05
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0960

Quant Time: Mar 09 00:26:34 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Mar 08 22:13:16 2019
Response via : Initial Calibration

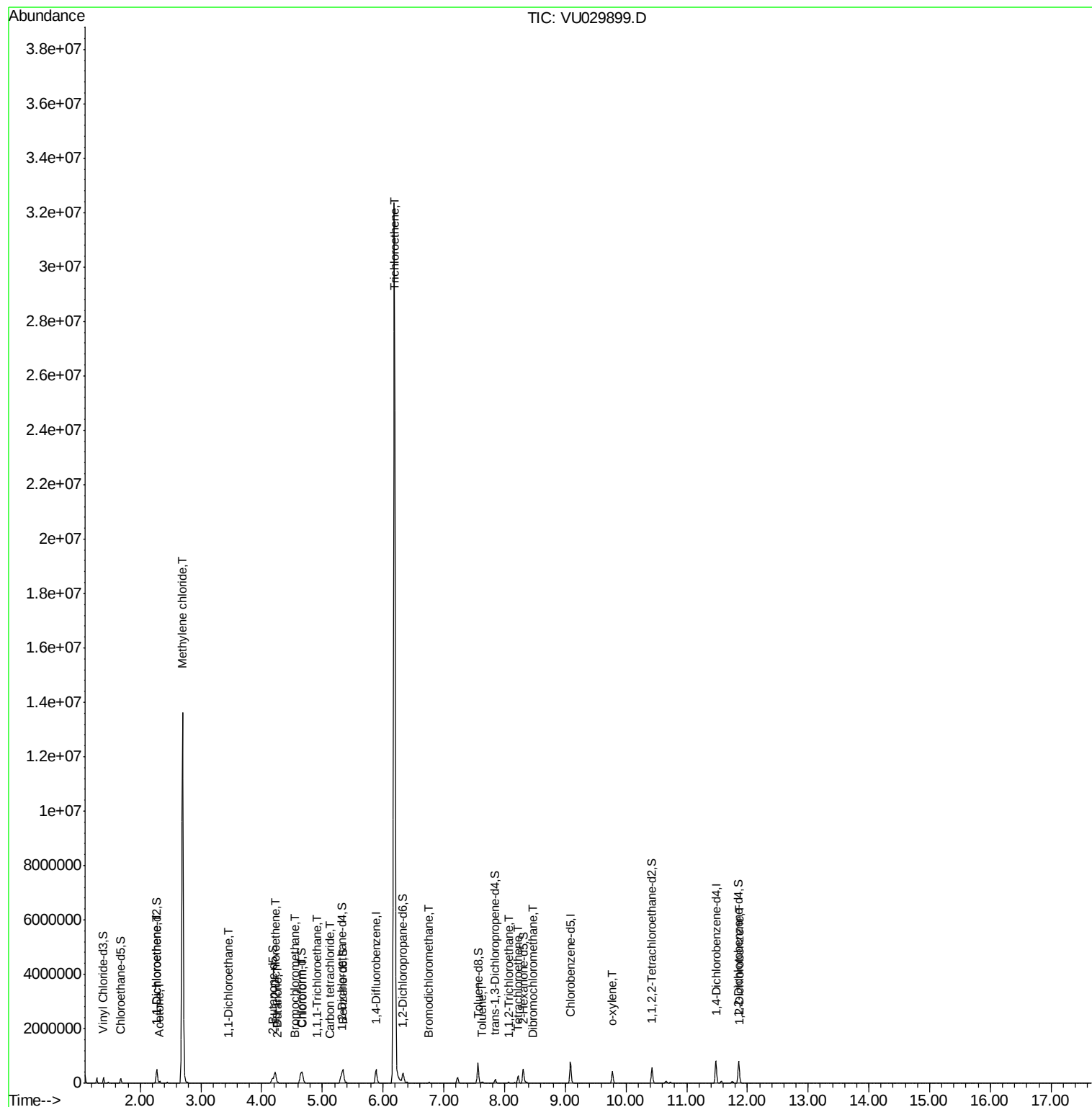
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
65) 1,2-Dichlorobenzene	11.88	146	13127	1.694	ug/L #	86

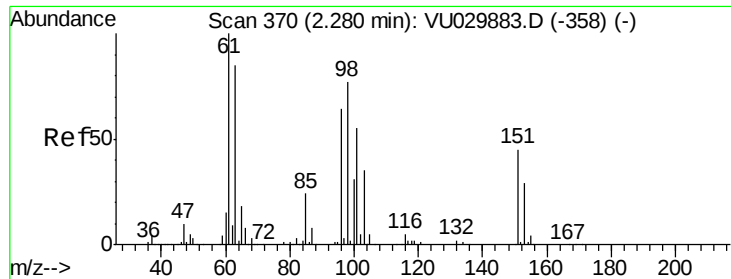
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU031119\
Data File : VU029899.D
Acq On : 08 Mar 2019 19:42
Operator : JC/SP
Sample : K1763-05
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0960

Quant Time: Mar 09 00:26:34 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Mar 08 22:13:16 2019
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 29.264 ug/L

RT: 2.28 min Scan# 370

Delta R.T. -0.00 min

Lab File: VU029899.D

Acq: 08 Mar 2019 19:42

Instrument :

MSVOA_U

ClientSampleId :

C0960

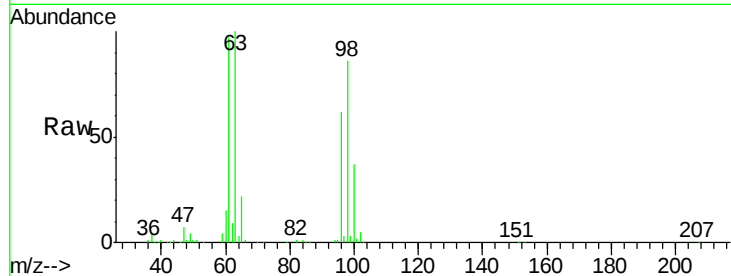
Tot Ion: 96 Resp: 91948

Ion Ratio Lower Upper

96 100

61 156.7 114.0 211.8

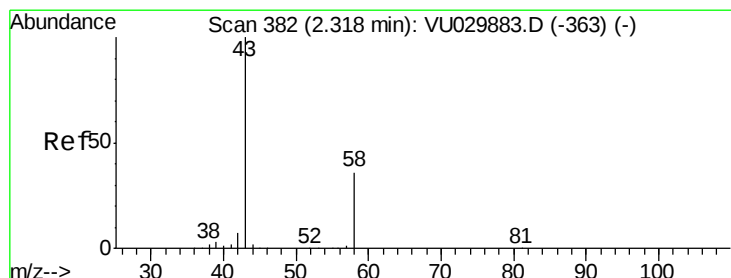
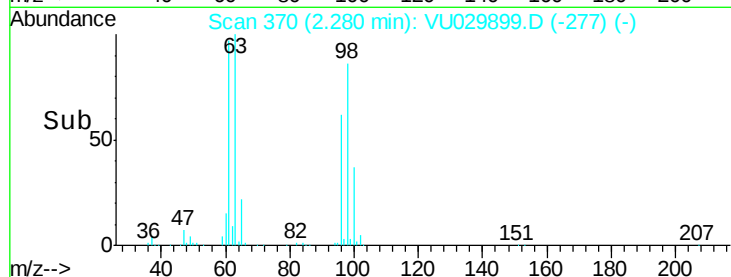
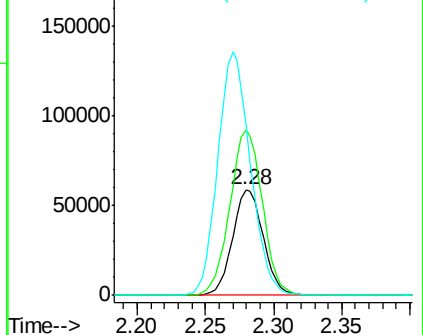
63 161.7 98.7 183.3



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0



#13

Acetone

Concen: 26.279 ug/L

RT: 2.32 min Scan# 382

Delta R.T. -0.00 min

Lab File: VU029899.D

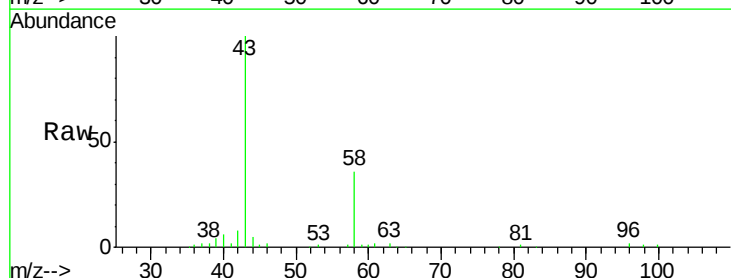
Acq: 08 Mar 2019 19:42

Tgt Ion: 43 Resp: 59414

Ion Ratio Lower Upper

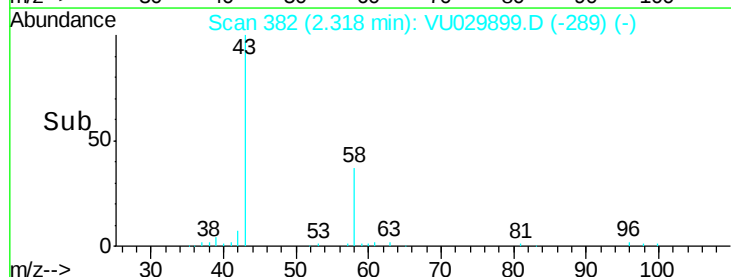
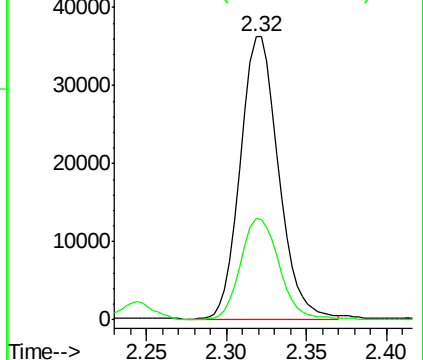
43 100

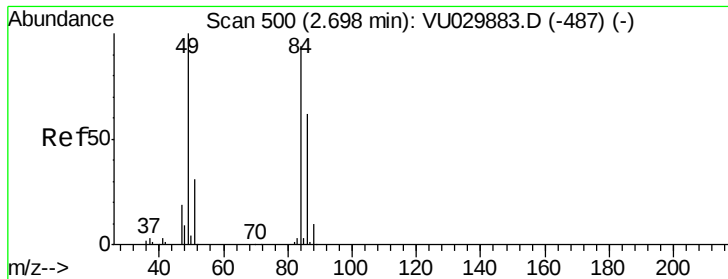
58 36.2 0.0 66.8



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

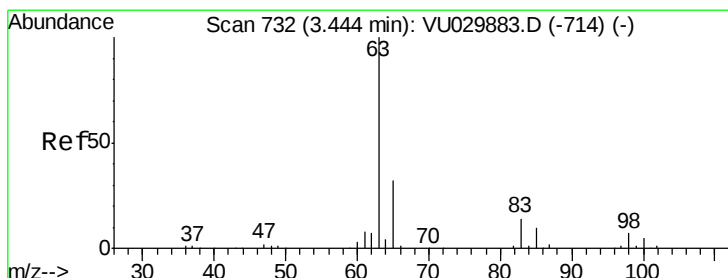
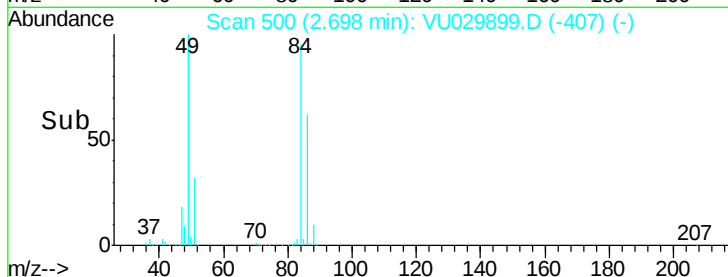
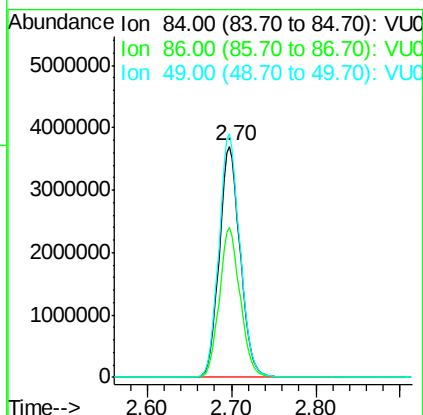
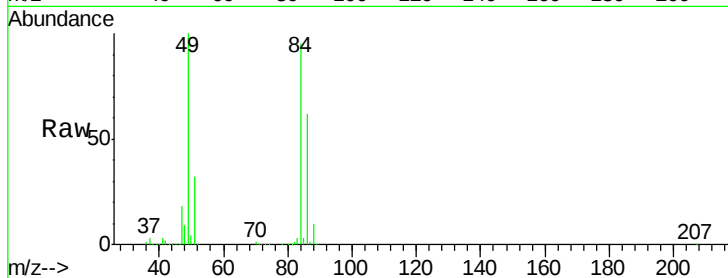




#16
Methvlene chloride
Concen: 2098.247 ug/L
RT: 2.70 min Scan# 500
Delta R.T. -0.00 min
Lab File: VU029899.D
Acq: 08 Mar 2019 19:42

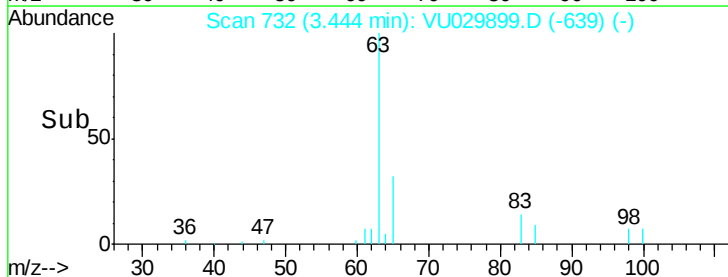
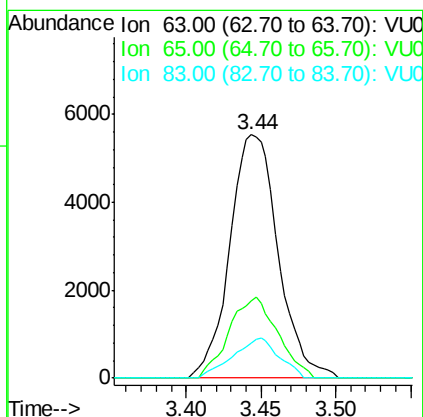
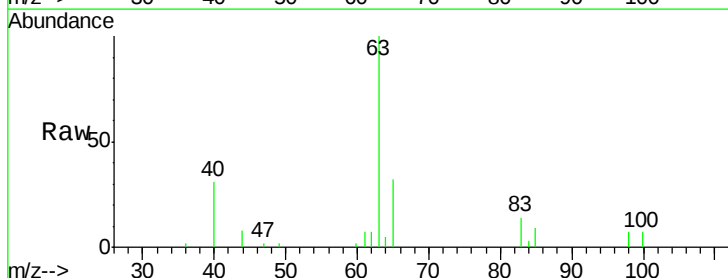
Instrument :
MSVOA_U
ClientSampleId :
C0960

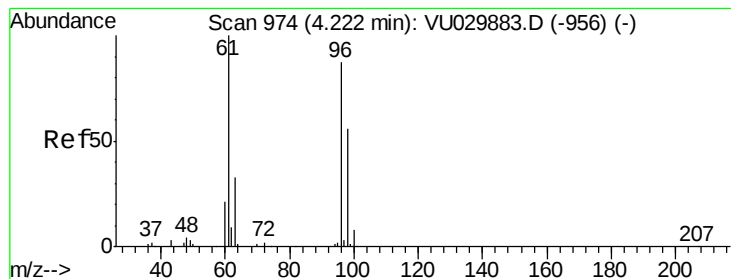
Tot Ion: 84 Resp: 6379377
Ion Ratio Lower Upper
84 100
86 64.9 45.8 85.0
49 105.5 75.1 139.5



#19
1,1-Dichloroethane
Concen: 2.484 ug/L
RT: 3.44 min Scan# 732
Delta R.T. -0.00 min
Lab File: VU029899.D
Acq: 08 Mar 2019 19:42

Tgt Ion: 63 Resp: 12456
Ion Ratio Lower Upper
63 100
65 31.8 22.3 41.3
83 14.4 9.9 18.3



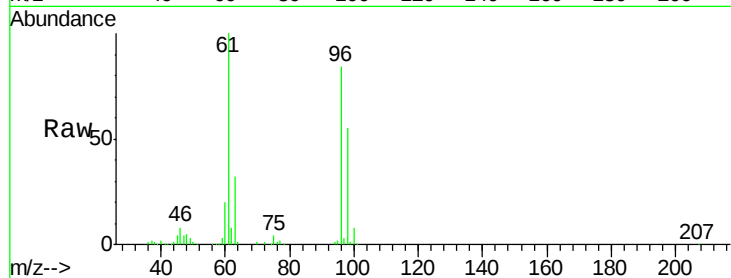


#20

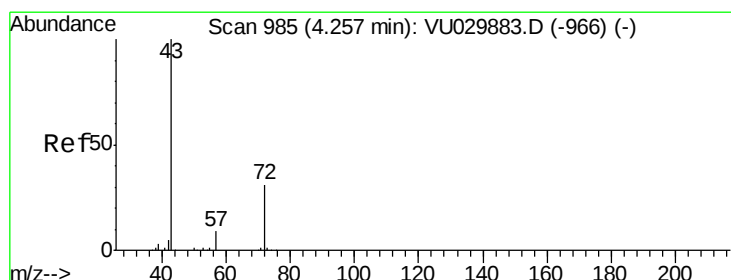
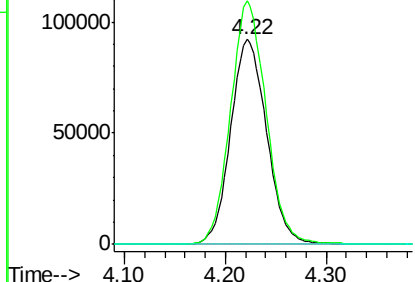
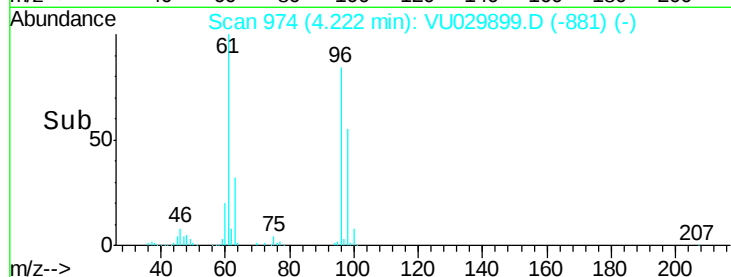
cis-1,2-Dichloroethene
 Concen: 67.969 ug/L
 RT: 4.22 min Scan# 974
 Delta R.T. -0.00 min
 Lab File: VU029899.D
 Acq: 08 Mar 2019 19:42

Instrument :
 MSVOA_U
 ClientSampleID :
 C0960

Tot Ion: 96 Resp: 229037
 Ion Ratio Lower Upper
 96 100
 61 119.0 83.9 155.7
 68 0.0 0.0 0.0



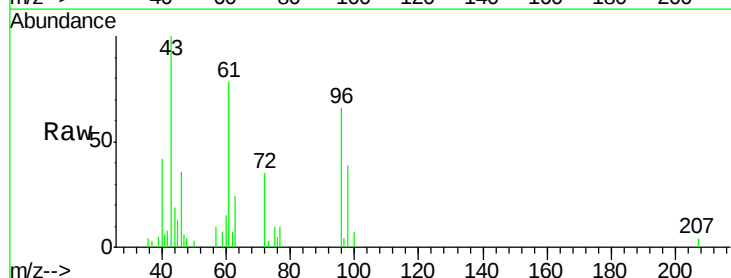
Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.00 (60.70 to 61.70): VU0
 Ion 68.00 (67.70 to 68.70): VU0



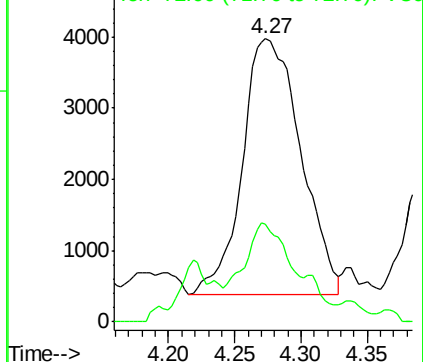
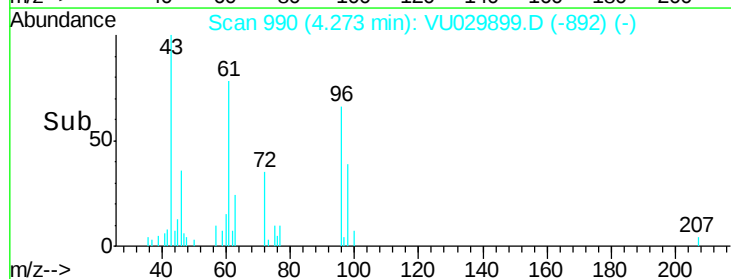
#22

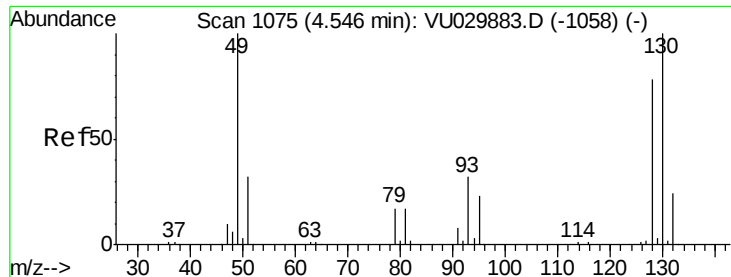
2-Butanone
 Concen: 4.286 ug/L
 RT: 4.27 min Scan# 990
 Delta R.T. 0.02 min
 Lab File: VU029899.D
 Acq: 08 Mar 2019 19:42

Tgt Ion: 43 Resp: 11059
 Ion Ratio Lower Upper
 43 100
 72 18.1 15.2 45.6



Abundance Ion 43.00 (42.70 to 43.70): VU0
 Ion 72.00 (71.70 to 72.70): VU0

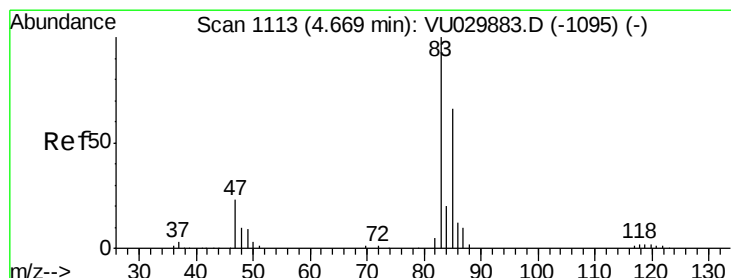
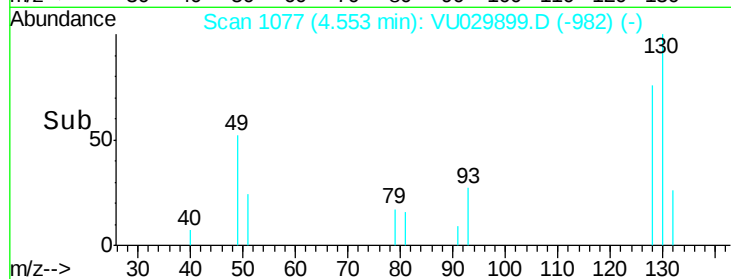
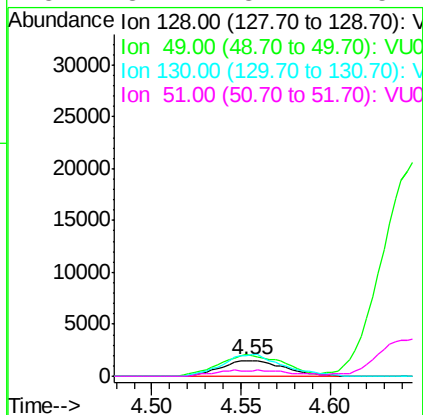
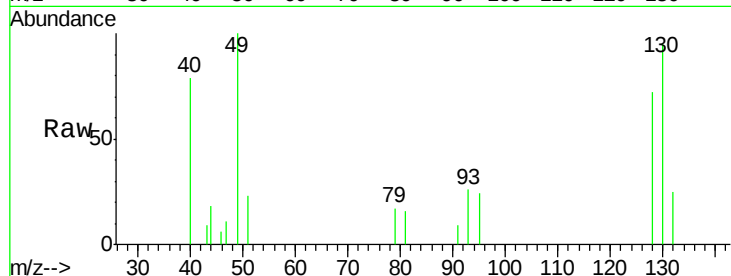




#23
 Bromochloromethane
 Concen: 1.993 ug/L
 RT: 4.55 min Scan# 1077
 Delta R.T. 0.01 min
 Lab File: VU029899.D
 Acq: 08 Mar 2019 19:42

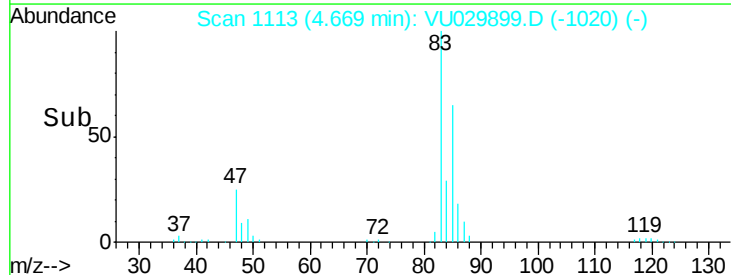
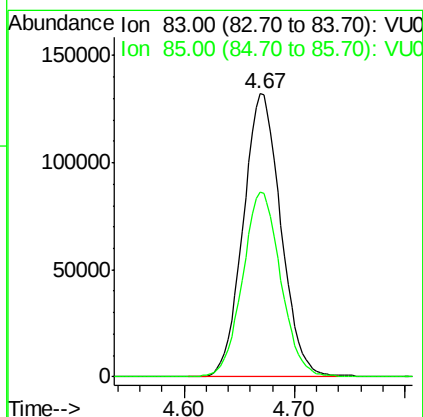
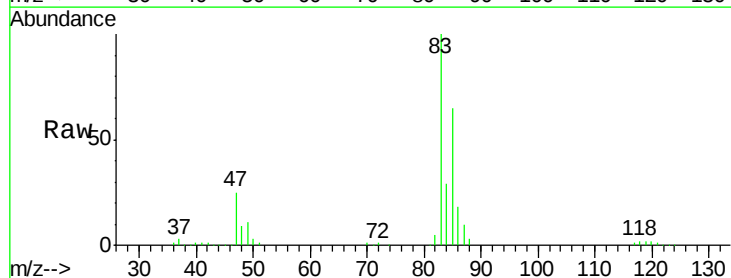
Instrument :
 MSVOA_U
 ClientSampleId :
 C0960

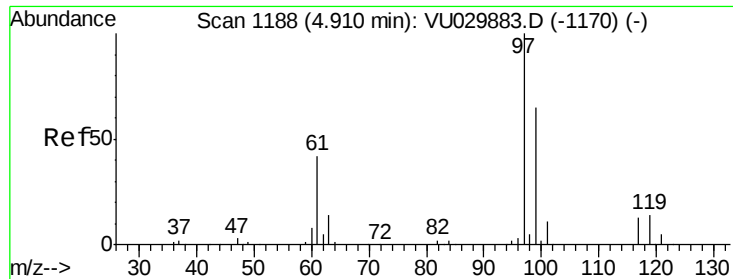
Tot Ion:128 Resp: 3681
 Ion Ratio Lower Upper
 128 100
 49 138.1 85.9 159.5
 130 131.6 91.3 169.5
 51 32.1 32.2 48.2#



#25
 Chloroform
 Concen: 56.009 ug/L
 RT: 4.67 min Scan# 1113
 Delta R.T. -0.00 min
 Lab File: VU029899.D
 Acq: 08 Mar 2019 19:42

Tgt Ion: 83 Resp: 313361
 Ion Ratio Lower Upper
 83 100
 85 65.2 45.4 84.2

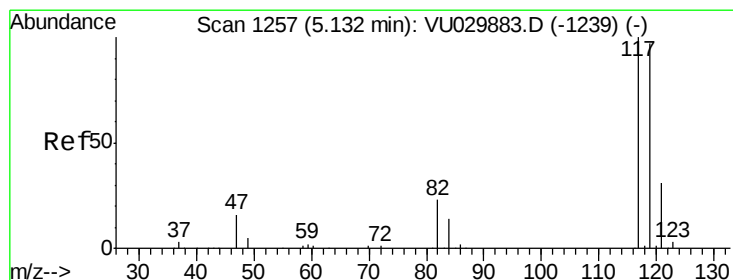
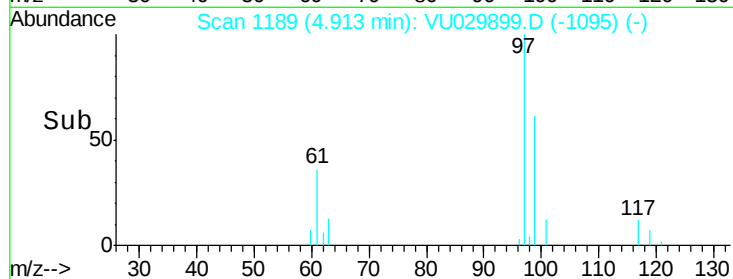
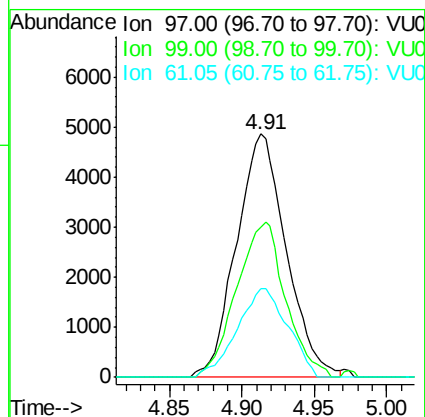
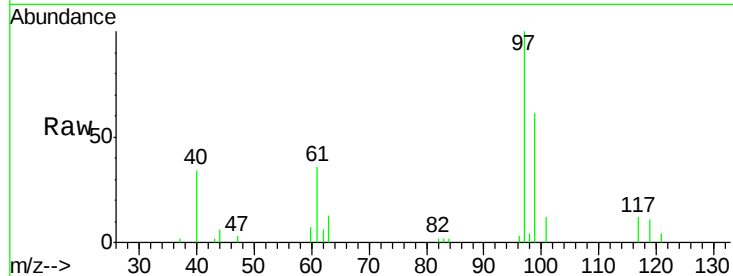




#30
 1,1,1-Trichloroethane
 Concen: 2.351 ug/L
 RT: 4.91 min Scan# 1189
 Delta R.T. 0.00 min
 Lab File: VU029899.D
 Acq: 08 Mar 2019 19:42

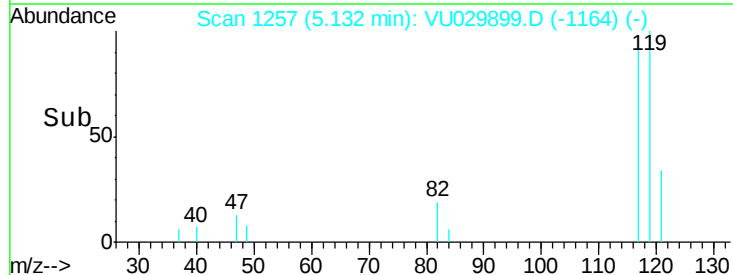
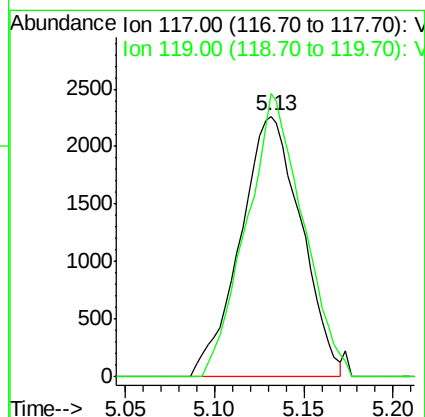
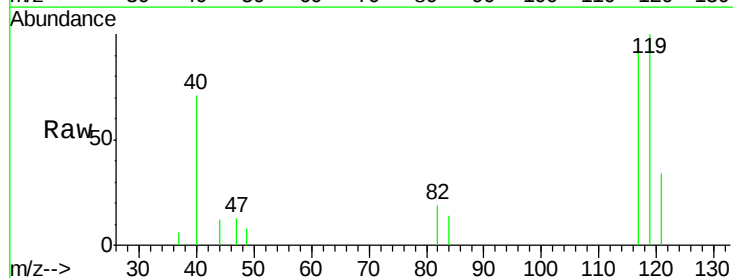
Instrument :
 MSVOA_U
 ClientSampleId :
 C0960

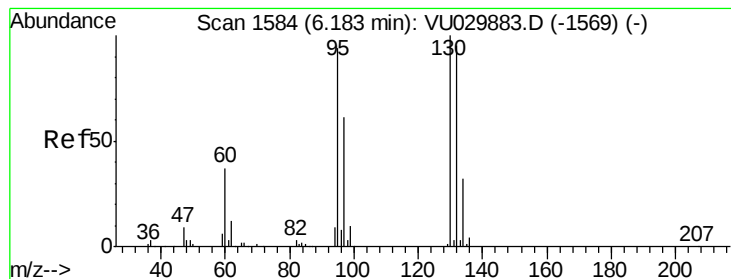
Tot Ion: 97 Resp: 11621
 Ion Ratio Lower Upper
 97 100
 99 62.8 51.4 77.0
 61 36.9 32.3 48.5



#31
 Carbon tetrachloride
 Concen: 1.207 ug/L
 RT: 5.13 min Scan# 1257
 Delta R.T. -0.00 min
 Lab File: VU029899.D
 Acq: 08 Mar 2019 19:42

Tgt Ion: 117 Resp: 5400
 Ion Ratio Lower Upper
 117 100
 119 100.6 77.8 116.8





#34

Trichloroethene

Concen: 3615.548 ug/L

RT: 6.19 min Scan# 1585

Delta R.T. 0.00 min

Lab File: VU029899.D

Acq: 08 Mar 2019 19:42

Instrument :

MSVOA_U

ClientSampleId :

C0960

Tot Ion: 95 Resp: 11639577

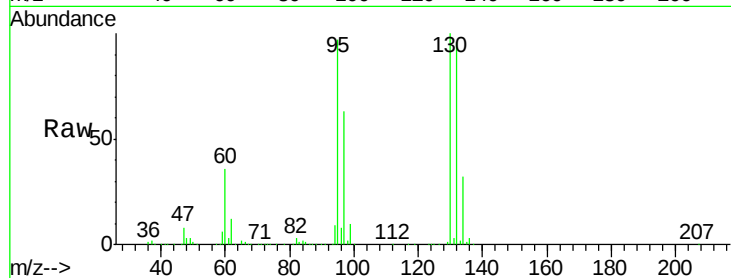
Ion	Ratio	Lower	Upper
95	100		
97	64.8	44.6	82.8
132	98.9	74.6	138.6
130	102.7	77.2	143.4

95 100

97 64.8 44.6 82.8

132 98.9 74.6 138.6

130 102.7 77.2 143.4

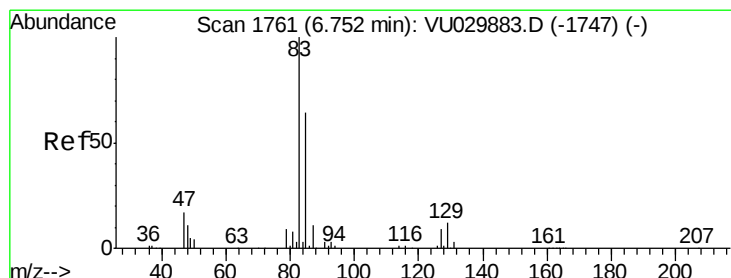
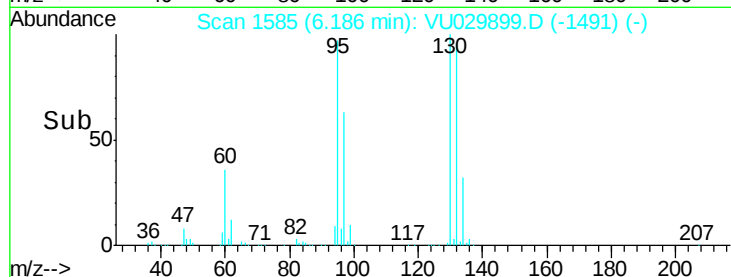
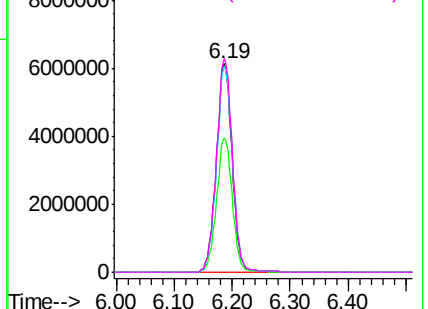


Abundance Ion 95.00 (94.70 to 95.70): VU029883.D (-1569) (-)

Ion 97.00 (96.70 to 97.70): VU029883.D (-1569) (-)

Ion 132.00 (131.70 to 132.70): VU029883.D (-1569) (-)

Ion 130.00 (129.70 to 130.70): VU029883.D (-1569) (-)



#38

Bromodichloromethane

Concen: 4.046 ug/L

RT: 6.76 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VU029899.D

Acq: 08 Mar 2019 19:42

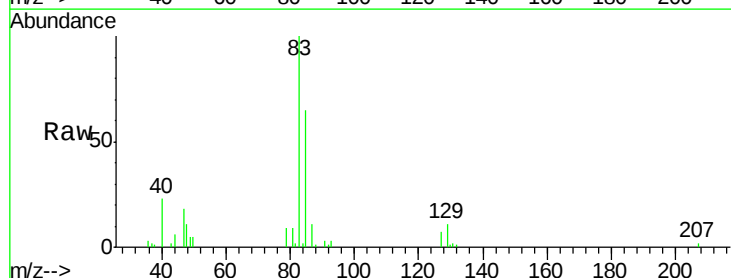
Tgt Ion: 83 Resp: 17110

Ion	Ratio	Lower	Upper
83	100		
85	64.7	44.2	82.0
127	7.3	8.3	12.5#

83 100

85 64.7 44.2 82.0

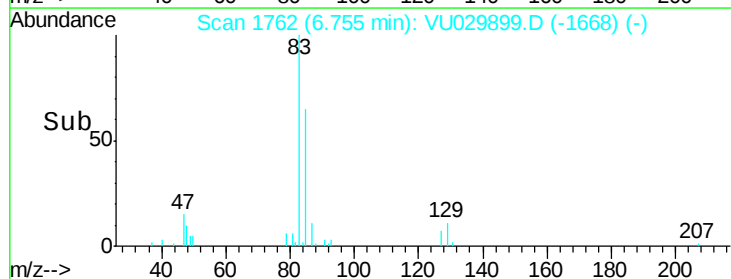
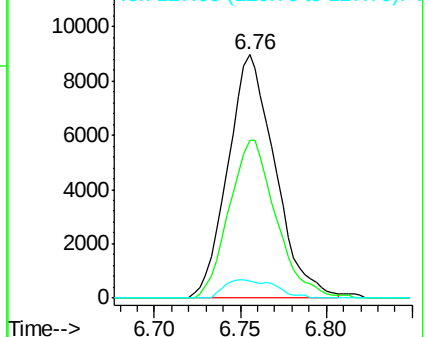
127 7.3 8.3 12.5#

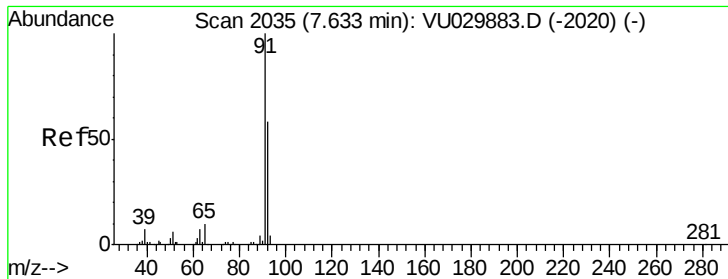


Abundance Ion 83.00 (82.70 to 83.70): VU029883.D (-1747) (-)

Ion 85.00 (84.70 to 85.70): VU029883.D (-1747) (-)

Ion 127.00 (126.70 to 127.70): VU029883.D (-1747) (-)





#42

Toluene

Concen: 2.218 ug/L

RT: 7.64 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VU029899.D

Acq: 08 Mar 2019 19:42

Instrument :

MSVOA_U

ClientSampleId :

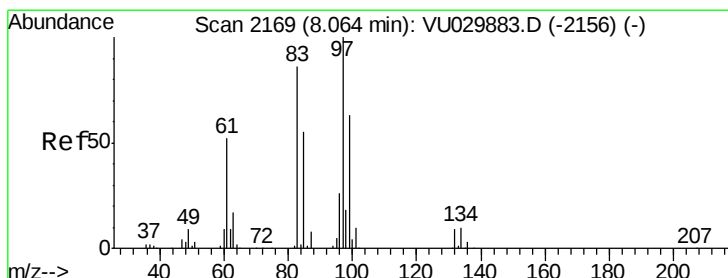
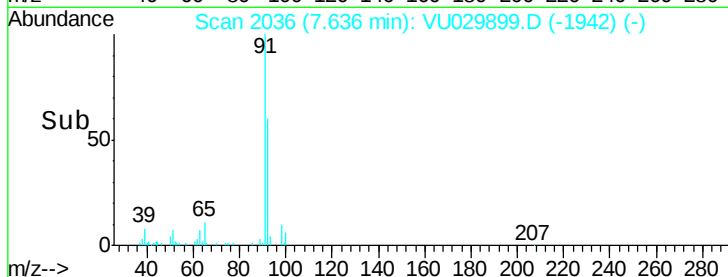
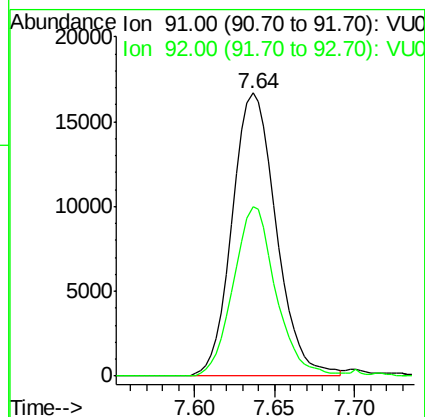
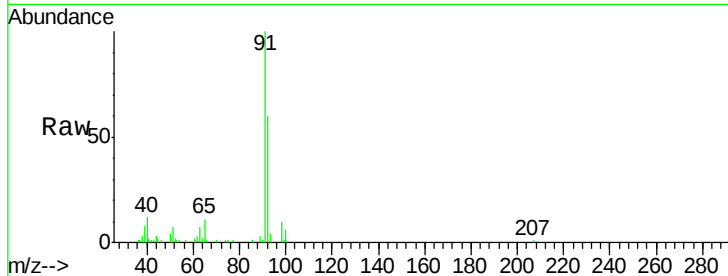
C0960

Tot Ion: 91 Resp: 31344

Ion Ratio Lower Upper

91 100

92 60.0 40.8 75.8



#45

1,1,2-Trichloroethane

Concen: 2.646 ug/L

RT: 8.07 min Scan# 2170

Delta R.T. 0.00 min

Lab File: VU029899.D

Acq: 08 Mar 2019 19:42

Tgt Ion: 97 Resp: 8847

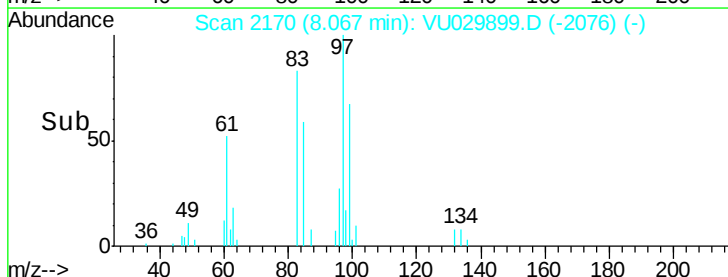
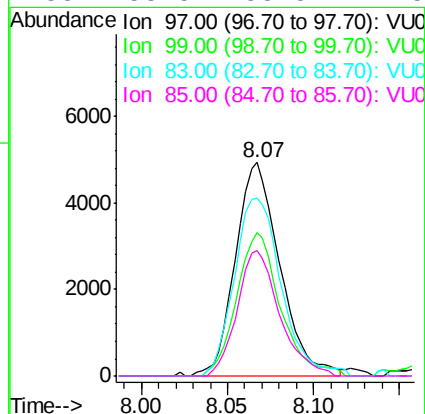
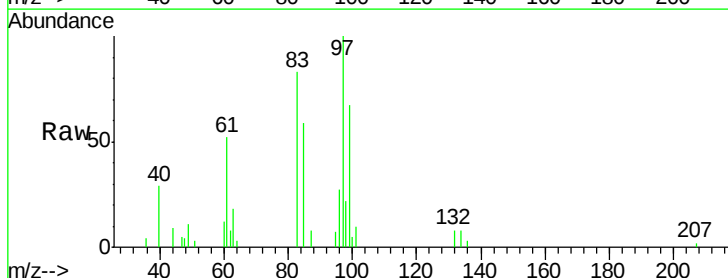
Ion Ratio Lower Upper

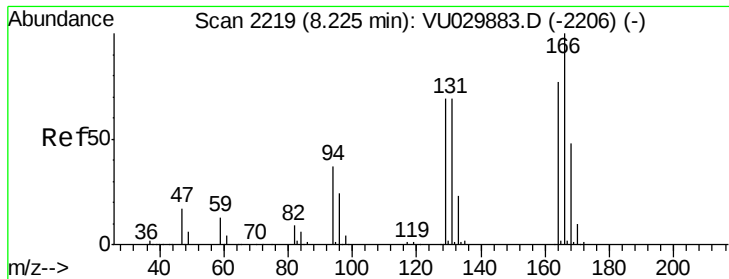
97 100

99 67.1 43.8 81.3

83 83.4 57.7 107.1

85 58.5 38.5 71.5

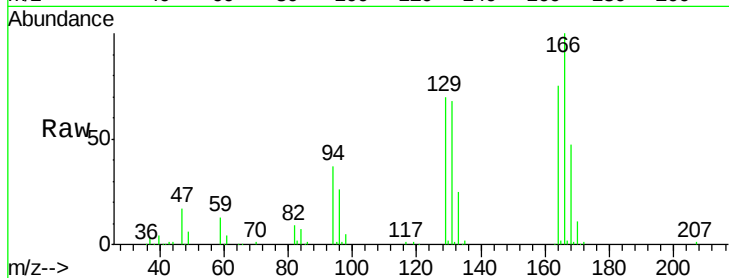




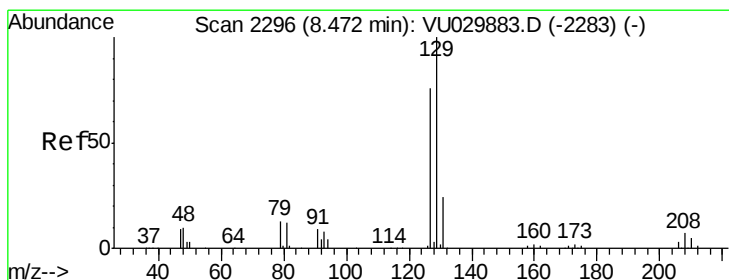
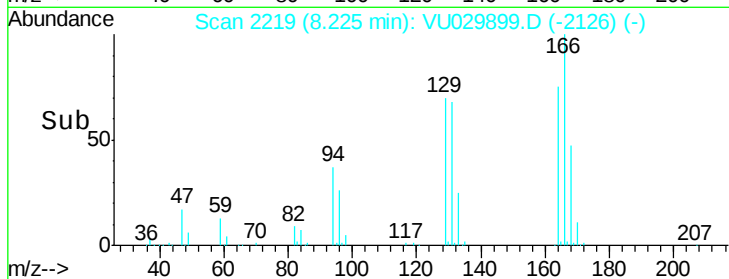
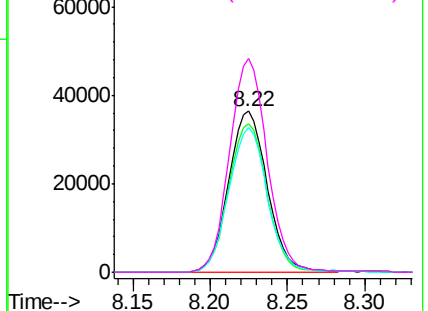
#46
Tetrachloroethene
Concen: 20.072 ug/L
RT: 8.22 min Scan# 2219
Delta R.T. -0.00 min
Lab File: VU029899.D
Acq: 08 Mar 2019 19:42

Instrument :
MSVOA_U
ClientSampled :
C0960

Tot Ion:164 Resp: 63246
Ion Ratio Lower Upper
164 100
129 92.5 62.1 115.3
131 89.9 60.1 111.5
166 132.7 89.7 166.5

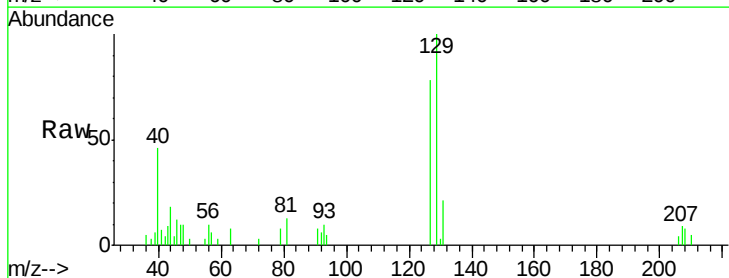


Abundance Ion 164.00 (163.70 to 164.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V
Ion 166.00 (165.70 to 166.70): V

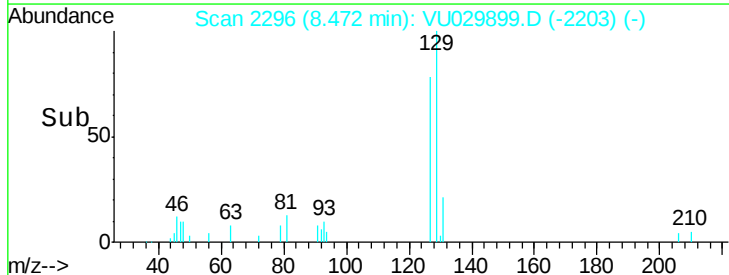
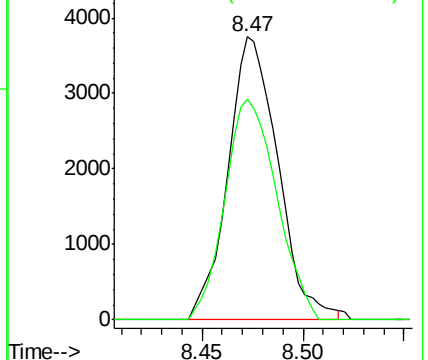


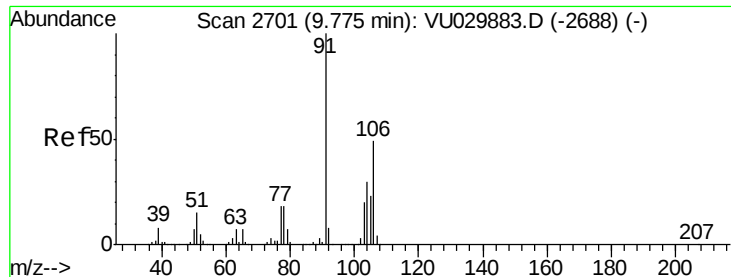
#49
Dibromochloromethane
Concen: 1.608 ug/L
RT: 8.47 min Scan# 2296
Delta R.T. -0.00 min
Lab File: VU029899.D
Acq: 08 Mar 2019 19:42

Tgt Ion:129 Resp: 6517
Ion Ratio Lower Upper
129 100
127 77.9 54.4 101.0



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V





#54

o-xylene

Concen: 19.896 ug/L

RT: 9.78 min Scan# 2702

Delta R.T. 0.00 min

Lab File: VU029899.D

Acq: 08 Mar 2019 19:42

Instrument :

MSVOA_U

ClientSampleID :

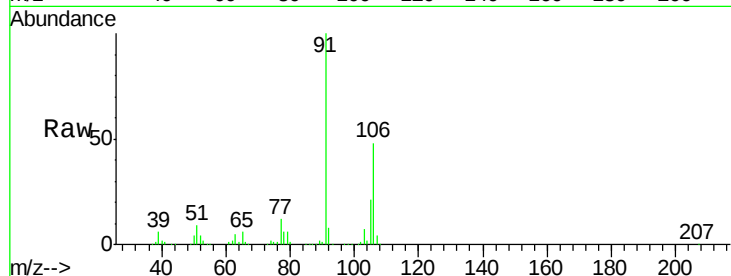
C0960

Tot Ion:106 Resp: 128764

Ion Ratio Lower Upper

106 100

91 210.3 144.5 268.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0

200000

150000

100000

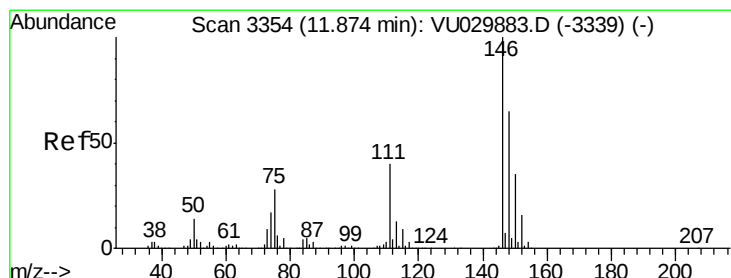
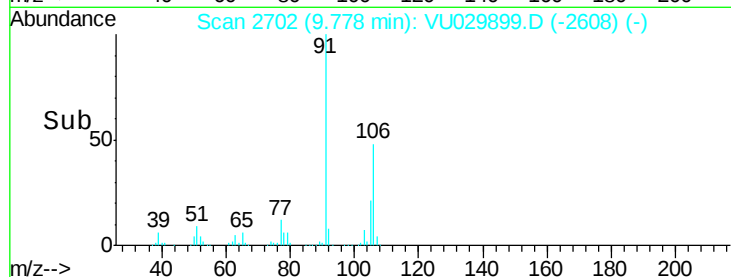
50000

0

9.78

9.70 9.75 9.80 9.85

Time-->



#65

1,2-Dichlorobenzene

Concen: 1.694 ug/L

RT: 11.88 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VU029899.D

Acq: 08 Mar 2019 19:42

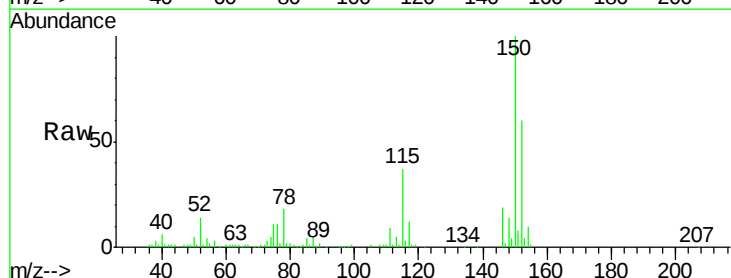
Tgt Ion:146 Resp: 13127

Ion Ratio Lower Upper

146 100

111 47.1 31.2 46.8#

148 75.5 51.6 77.4



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

10000

8000

6000

4000

2000

0

11.88

11.85 11.90

Time-->

