

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU031119\
 Data File : VU029907.D
 Acq On : 08 Mar 2019 22:48
 Operator : JC/SP
 Sample : K1763-02
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0957

Quant Time: Mar 09 01:31:35 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	484931	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	472768	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	244949	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	121523	34.20	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	68.40%
7) Chloroethane-d5	1.68	69	117958	37.34	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	74.68%
11) 1,1-Dichloroethene-d2	2.27	63	194289	27.97	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	55.94%#
21) 2-Butanone-d5	4.17	46	259977	120.22	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	120.22%
24) Chloroform-d	4.64	84	288234	50.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.02%
26) 1,2-Dichloroethane-d4	5.31	65	174678	47.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.74%
32) Benzene-d6	5.34	84	584096	49.10	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.20%
36) 1,2-Dichloropropane-d6	6.33	67	186570	52.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	104.26%
41) Toluene-d8	7.56	98	534514	44.03	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.06%
43) trans-1,3-Dichloropropene-	7.85	79	68258	35.95	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	71.90%
47) 2-Hexanone-d5	8.31	63	228738	114.76	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	114.76%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	301771	49.90	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.80%
64) 1,2-Dichlorobenzene-d4	11.85	152	242375	45.92	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.84%

Target Compounds

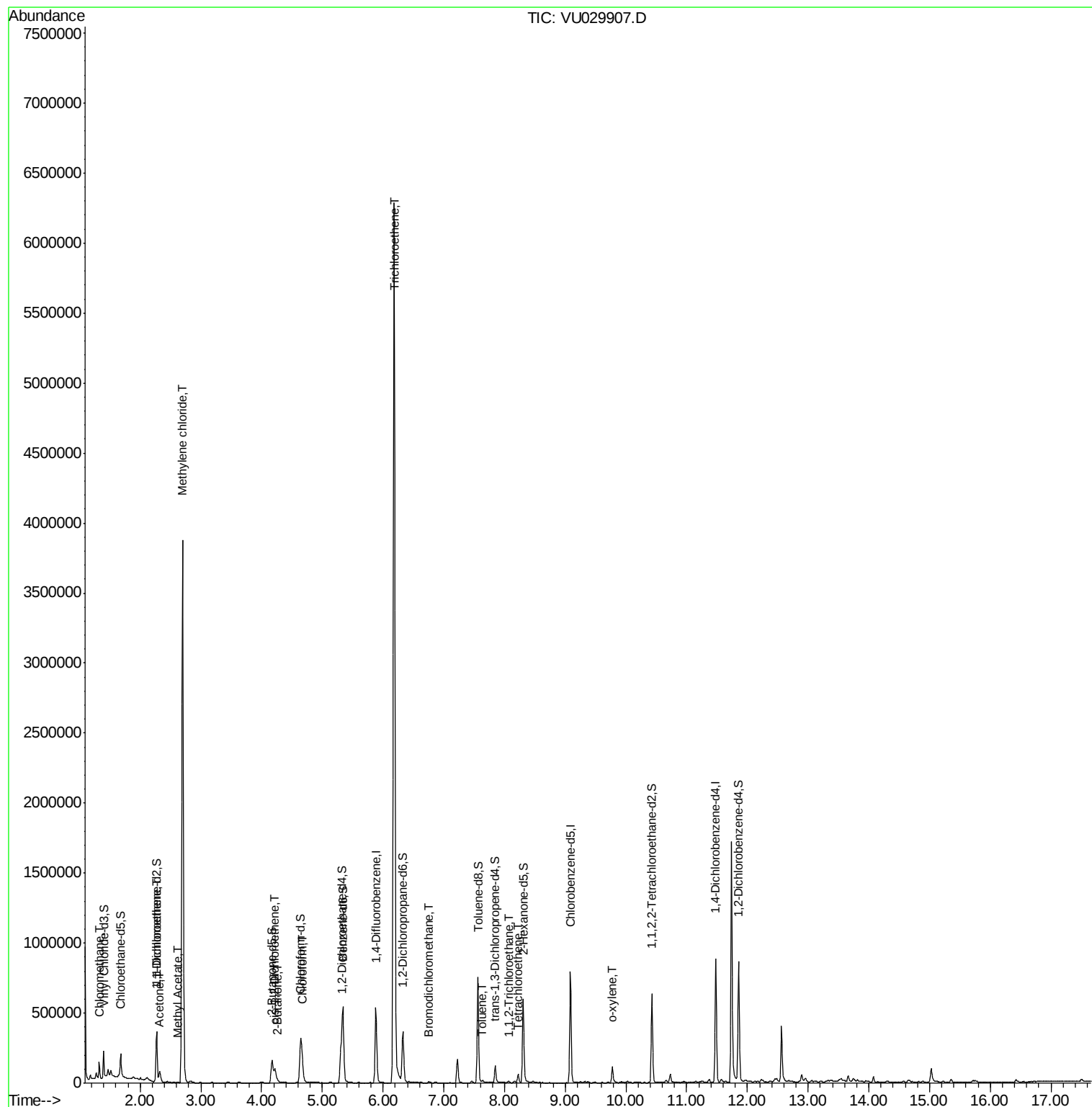
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.33	50	78909	27.052	ug/L	99
12) 1,1-Dichloroethene	2.28	96	17416	5.423	ug/L #	1
13) Acetone	2.32	43	77001	33.323	ug/L	97
15) Methyl Acetate	2.62	43	4268	1.423	ug/L	99
16) Methylene chloride	2.70	84	1882208	605.720	ug/L	99
20) cis-1,2-Dichloroethene	4.22	96	50680	14.715	ug/L	99
22) 2-Butanone	4.27	43	21729	8.240	ug/L	97
25) Chloroform	4.67	83	130122	22.756	ug/L	100
34) Trichloroethene	6.18	95	2263459	693.191	ug/L	96
38) Bromodichloromethane	6.76	83	5006	1.167	ug/L #	91
42) Toluene	7.64	91	10377	0.724	ug/L	98
45) 1,1,2-Trichloroethane	8.06	97	3670	1.082	ug/L	92
46) Tetrachloroethene	8.22	164	15469	4.840	ug/L	97
54) o-xylene	9.78	106	33105	5.043	ug/L	97

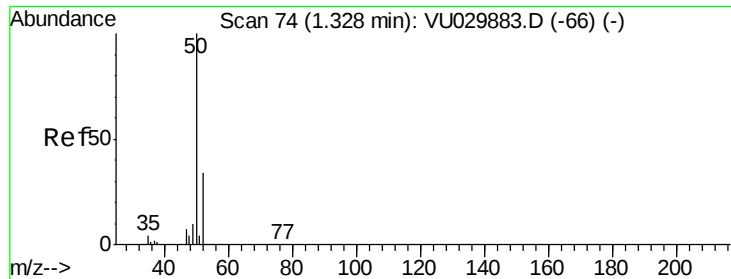
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 27.052 ug/L

RT: 1.33 min Scan# 74

Delta R.T. 0.00 min

Lab File: VU029907.D

Acq: 08 Mar 2019 22:48

Instrument :

MSVOA_U

ClientSampleId :

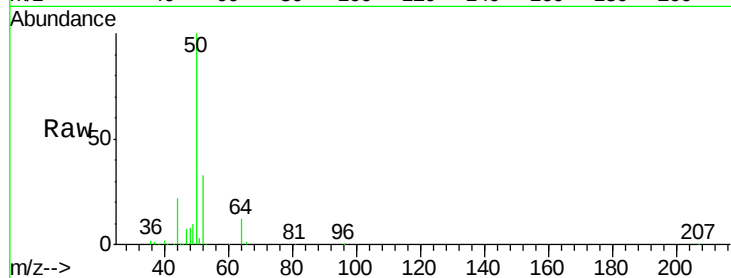
C0957

Tot Ion: 50 Resp: 78909

Ion Ratio Lower Upper

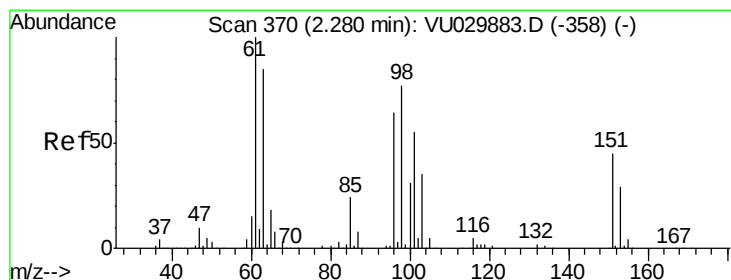
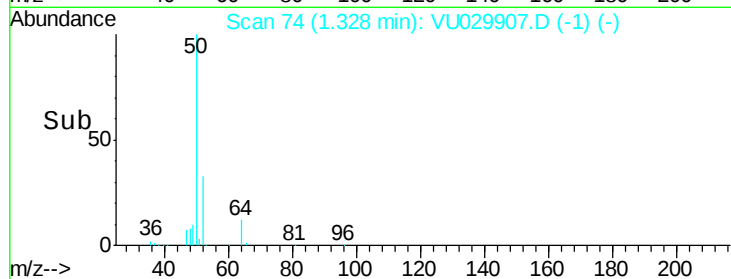
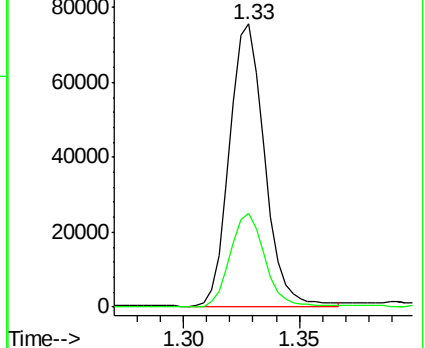
50 100

52 33.3 23.9 44.3



Abundance Ion 50.00 (49.70 to 50.70): VU029907.D (-1) (-)

Ion 52.00 (51.70 to 52.70): VU029907.D (-1) (-)



#12

1,1-Dichloroethene

Concen: 5.423 ug/L

RT: 2.28 min Scan# 371

Delta R.T. 0.00 min

Lab File: VU029907.D

Acq: 08 Mar 2019 22:48

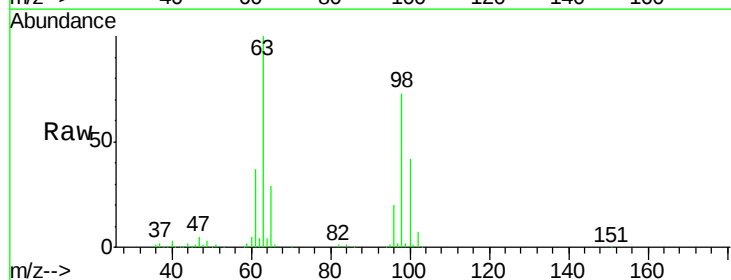
Tgt Ion: 96 Resp: 17416

Ion Ratio Lower Upper

96 100

61 185.4 114.0 211.8

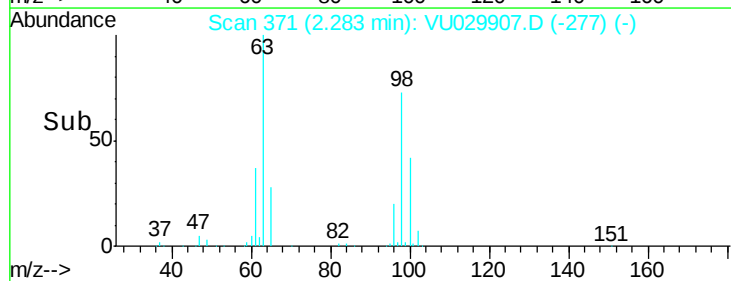
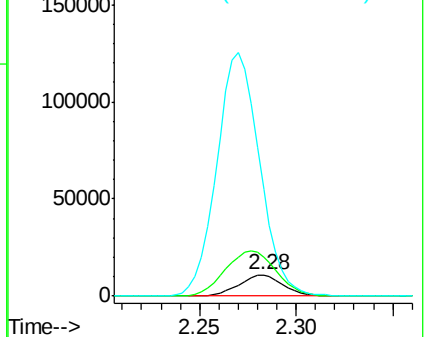
63 500.7 98.7 183.3#

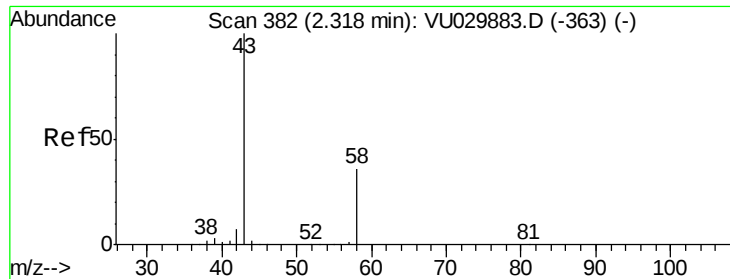


Abundance Ion 96.00 (95.70 to 96.70): VU029907.D (-277) (-)

Ion 61.00 (60.70 to 61.70): VU029907.D (-277) (-)

Ion 63.00 (62.70 to 63.70): VU029907.D (-277) (-)





#13

Acetone

Concen: 33.323 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VU029907.D

Acq: 08 Mar 2019 22:48

Instrument :

MSVOA_U

ClientSampleId :

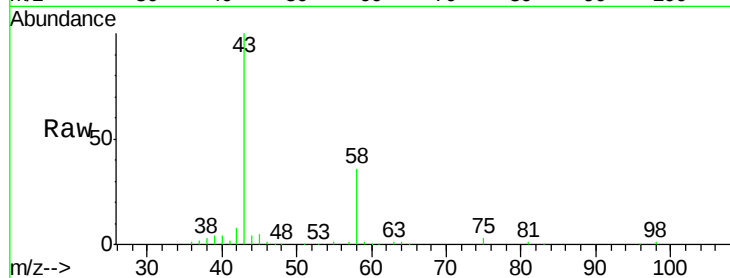
C0957

Tot Ion: 43 Resp: 77001

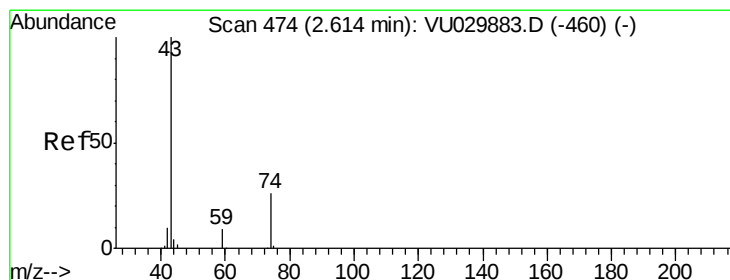
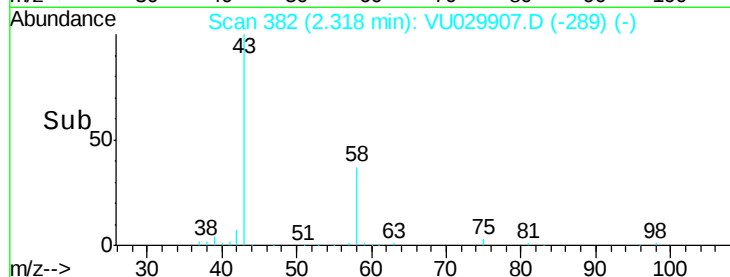
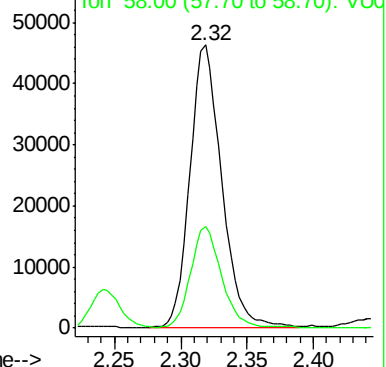
Ion Ratio Lower Upper

43 100

58 35.2 0.0 66.8



Abundance Ion 43.00 (42.70 to 43.70): VU029907.D (-289) (-)



#15

Methyl Acetate

Concen: 1.423 ug/L

RT: 2.62 min Scan# 476

Delta R.T. 0.01 min

Lab File: VU029907.D

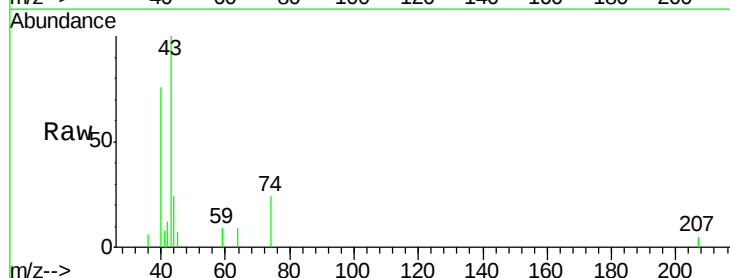
Acq: 08 Mar 2019 22:48

Tgt Ion: 43 Resp: 4268

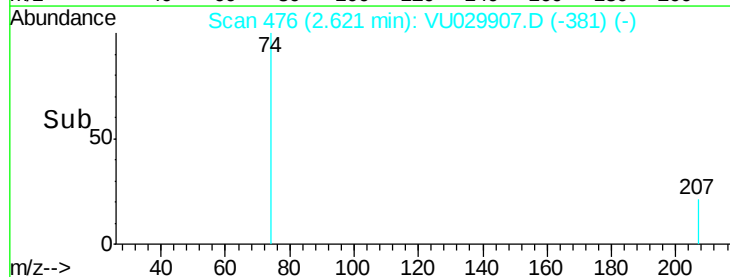
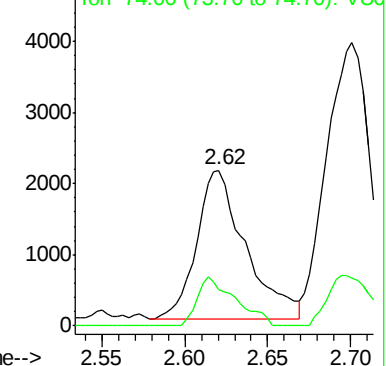
Ion Ratio Lower Upper

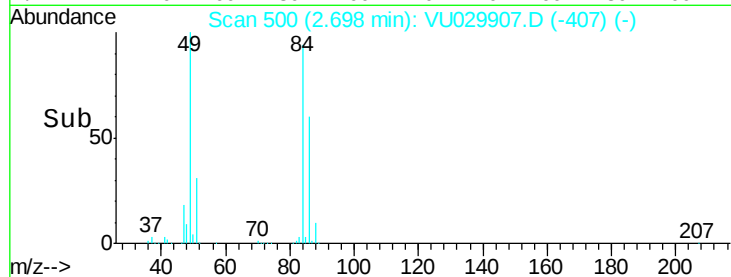
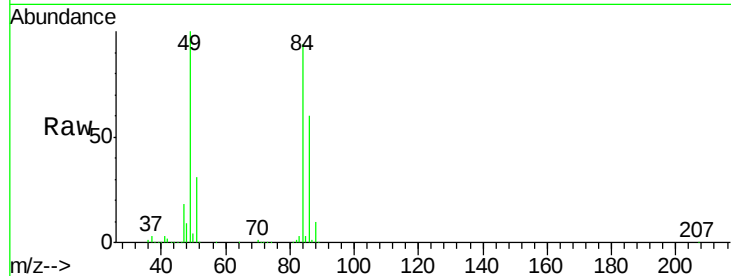
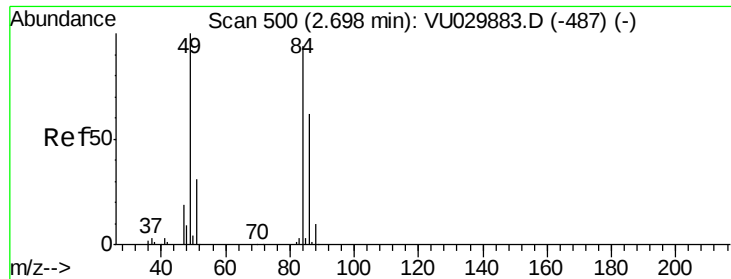
43 100

74 26.1 21.5 32.3



Abundance Ion 43.00 (42.70 to 43.70): VU029907.D (-381) (-)

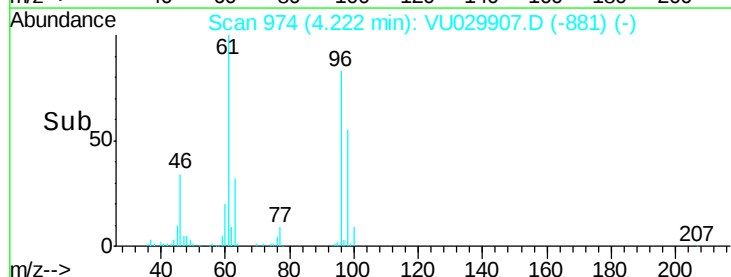
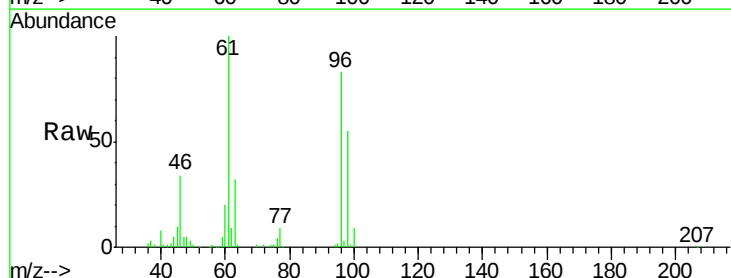
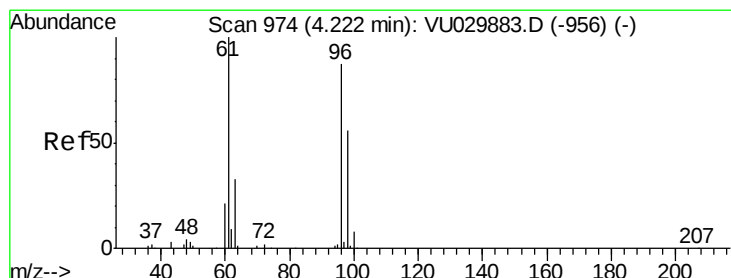
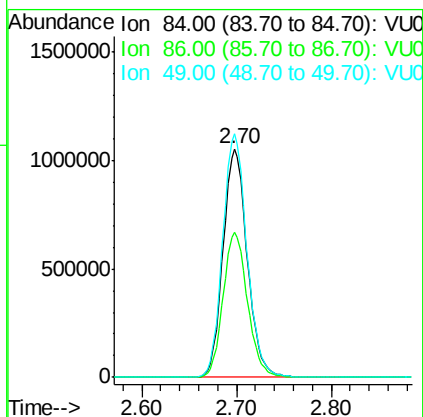




#16
Methylene chloride
Concen: 605.720 ug/L
RT: 2.70 min Scan# 500
Delta R.T. 0.00 min
Lab File: VU029907.D
Acq: 08 Mar 2019 22:48

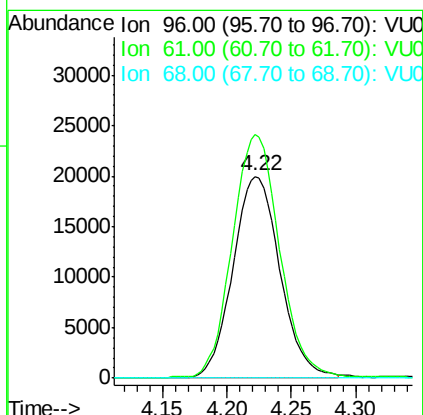
Instrument :
MSVOA_U
ClientSampled :
C0957

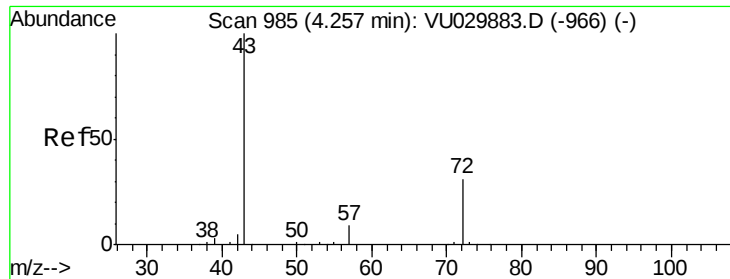
Tot Ion: 84 Resp: 1882208
Ion Ratio Lower Upper
84 100
86 63.5 45.8 85.0
49 106.5 75.1 139.5



#20
cis-1,2-Dichloroethene
Concen: 14.715 ug/L
RT: 4.22 min Scan# 974
Delta R.T. 0.00 min
Lab File: VU029907.D
Acq: 08 Mar 2019 22:48

Tgt Ion: 96 Resp: 50680
Ion Ratio Lower Upper
96 100
61 120.7 83.9 155.7
68 0.0 0.0 0.0





#22

2-Butanone

Concen: 8.240 ug/L

RT: 4.27 min Scan# 989

Delta R.T. 0.01 min

Lab File: VU029907.D

Acq: 08 Mar 2019 22:48

Instrument :

MSVOA_U

ClientSampleId :

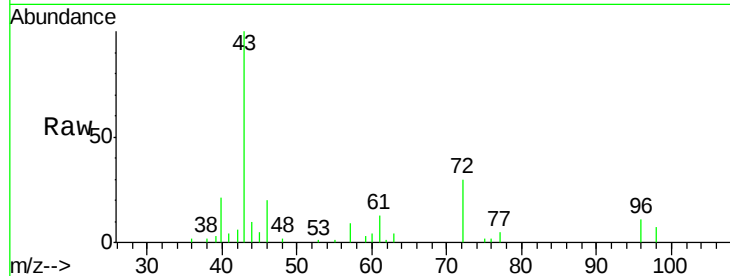
C0957

Tot Ion: 43 Resp: 21729

Ion Ratio Lower Upper

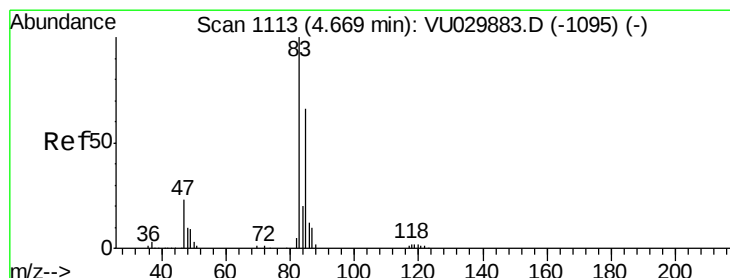
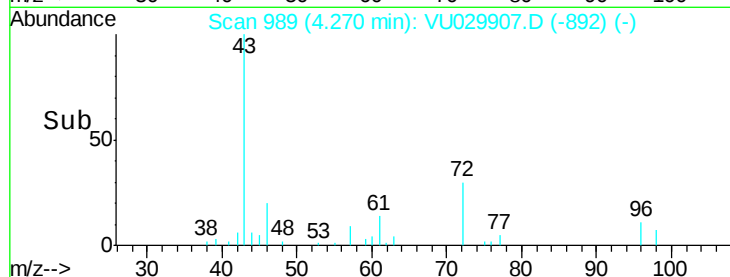
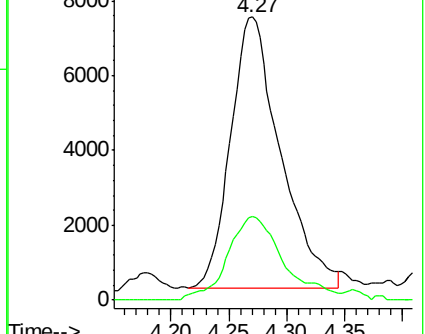
43 100

72 32.1 15.2 45.6



Abundance Ion 43.00 (42.70 to 43.70): VU029907.D (-892) (-)

Ion 72.00 (71.70 to 72.70): VU029907.D (-892) (-)



#25

Chloroform

Concen: 22.756 ug/L

RT: 4.67 min Scan# 1114

Delta R.T. 0.00 min

Lab File: VU029907.D

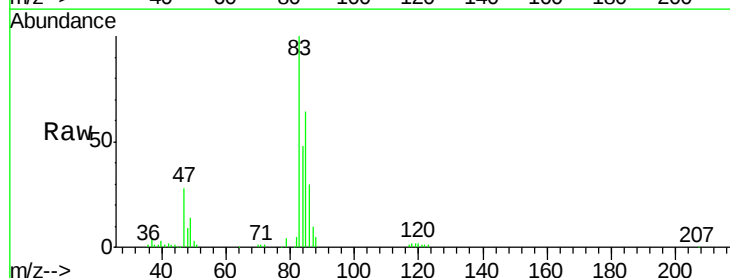
Acq: 08 Mar 2019 22:48

Tgt Ion: 83 Resp: 130122

Ion Ratio Lower Upper

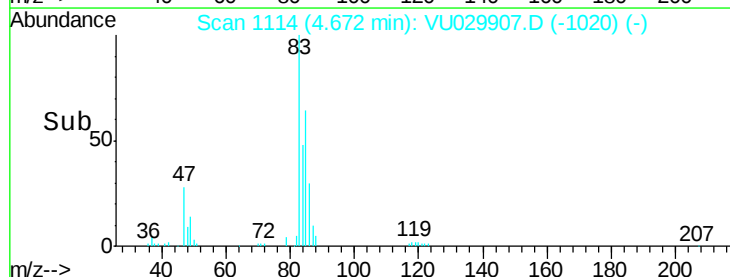
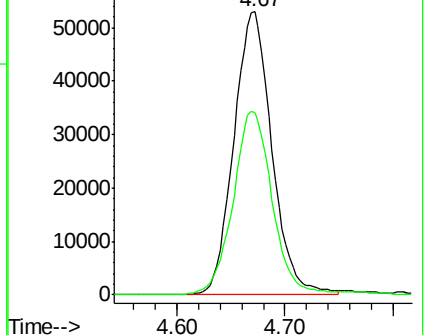
83 100

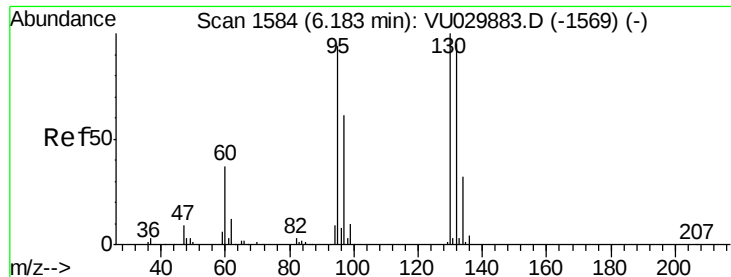
85 64.4 45.4 84.2



Abundance Ion 83.00 (82.70 to 83.70): VU029907.D (-1020) (-)

Ion 85.00 (84.70 to 85.70): VU029907.D (-1020) (-)

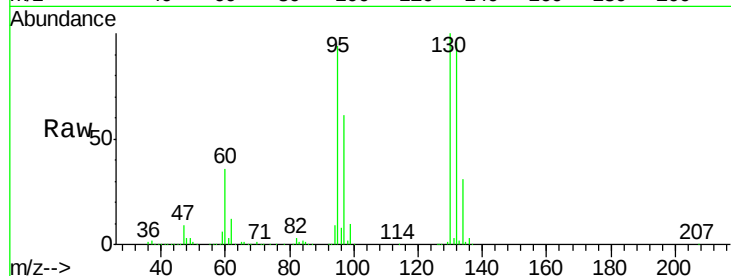




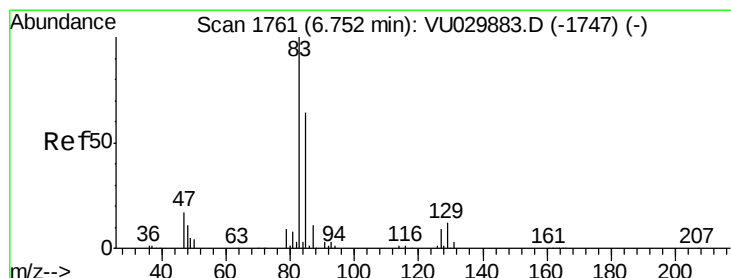
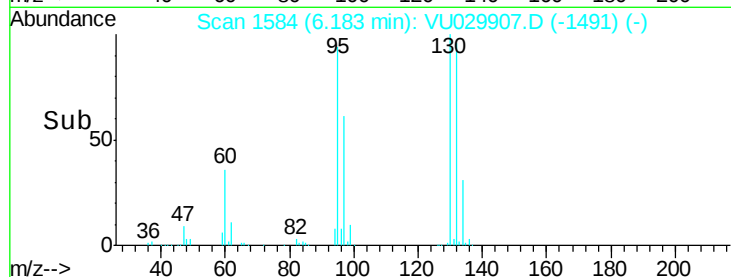
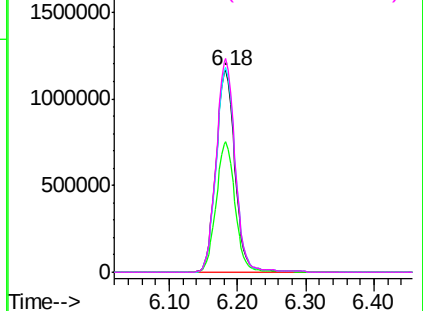
#34
 Trichloroethene
 Concen: 693.191 ug/L
 RT: 6.18 min Scan# 1584
 Delta R.T. 0.00 min
 Lab File: VU029907.D
 Acq: 08 Mar 2019 22:48

Instrument :
 MSVOA_U
 ClientSampleId :
 C0957

Tot Ion: 95 Resp: 2263459
 Ion Ratio Lower Upper
 95 100
 97 64.6 44.6 82.8
 132 101.2 74.6 138.6
 130 105.9 77.2 143.4

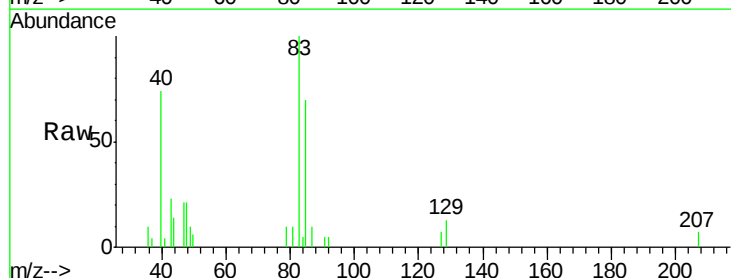


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

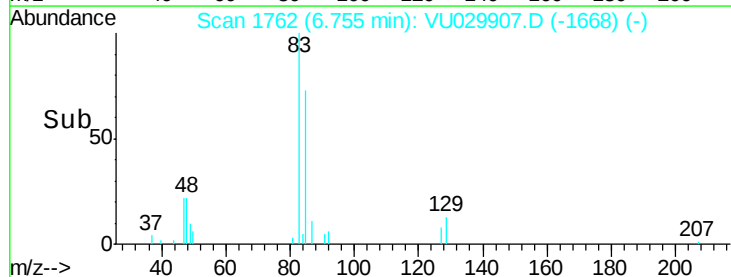
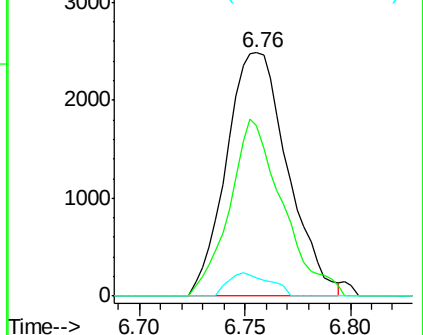


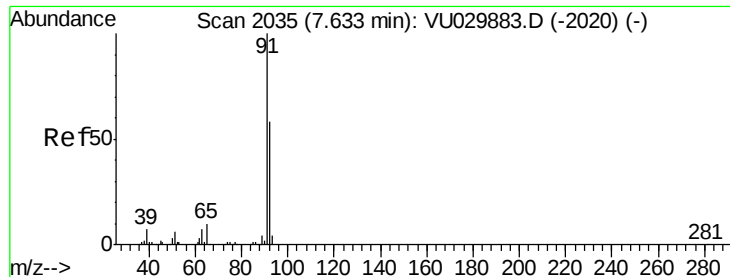
#38
 Bromodichloromethane
 Concen: 1.167 ug/L
 RT: 6.76 min Scan# 1762
 Delta R.T. 0.00 min
 Lab File: VU029907.D
 Acq: 08 Mar 2019 22:48

Tgt Ion: 83 Resp: 5006
 Ion Ratio Lower Upper
 83 100
 85 70.2 44.2 82.0
 127 7.3 8.3 12.5#



Abundance Ion 83.00 (82.70 to 83.70): VU0
 Ion 85.00 (84.70 to 85.70): VU0
 Ion 127.00 (126.70 to 127.70): V





#42

Toluene

Concen: 0.724 ug/L

RT: 7.64 min Scan# 2037

Delta R.T. 0.01 min

Lab File: VU029907.D

Acq: 08 Mar 2019 22:48

Instrument :

MSVOA_U

ClientSampleId :

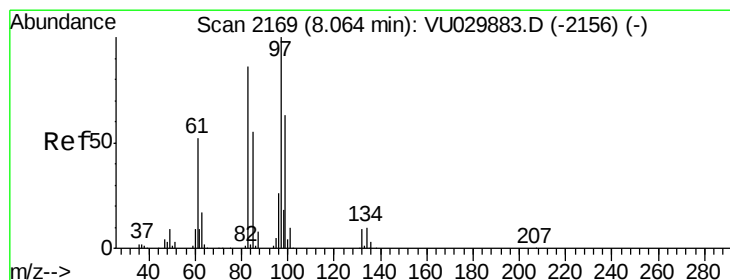
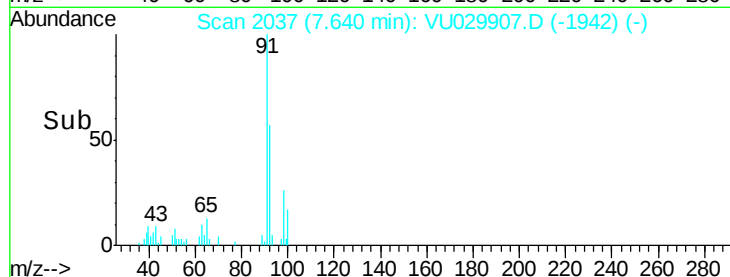
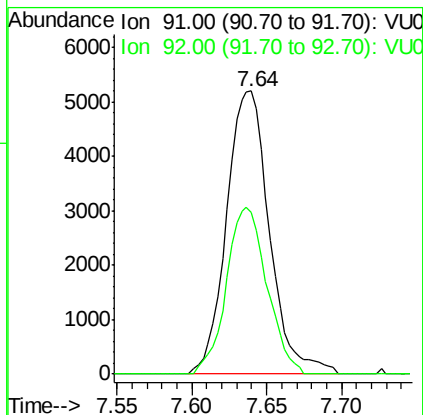
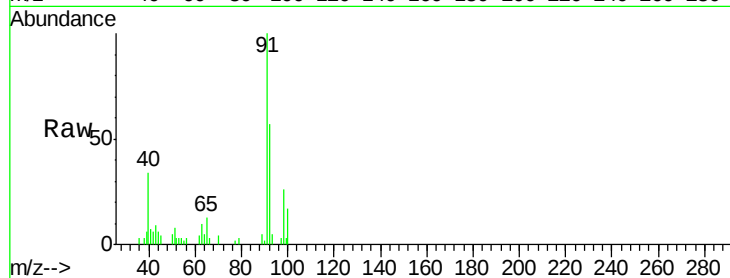
C0957

Tot Ion: 91 Resp: 10377

Ion Ratio Lower Upper

91 100

92 57.1 40.8 75.8



#45

1,1,2-Trichloroethane

Concen: 1.082 ug/L

RT: 8.06 min Scan# 2169

Delta R.T. 0.00 min

Lab File: VU029907.D

Acq: 08 Mar 2019 22:48

Tgt Ion: 97 Resp: 3670

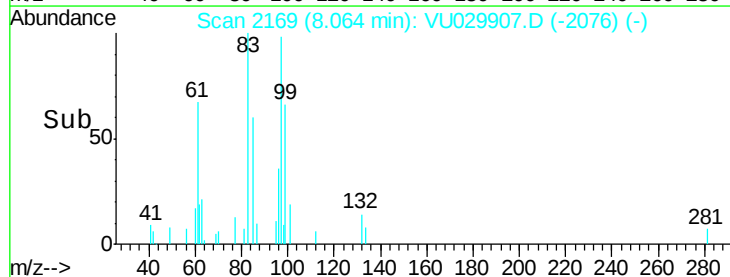
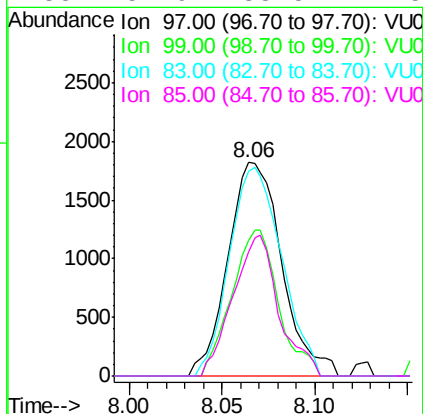
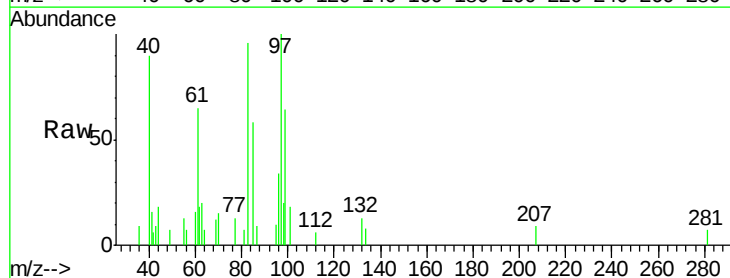
Ion Ratio Lower Upper

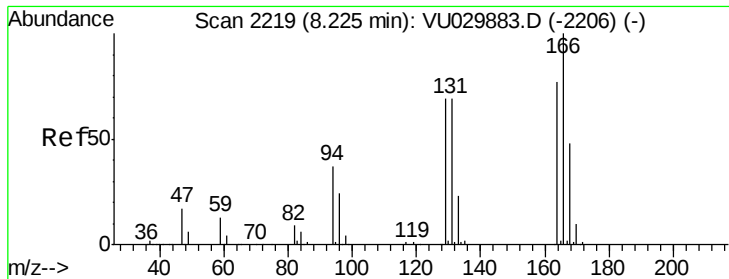
97 100

99 63.8 43.8 81.3

83 96.2 57.7 107.1

85 57.9 38.5 71.5

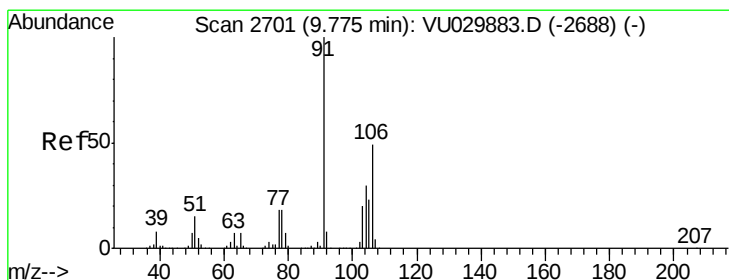
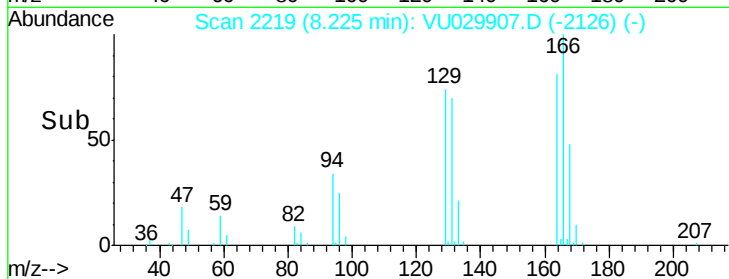
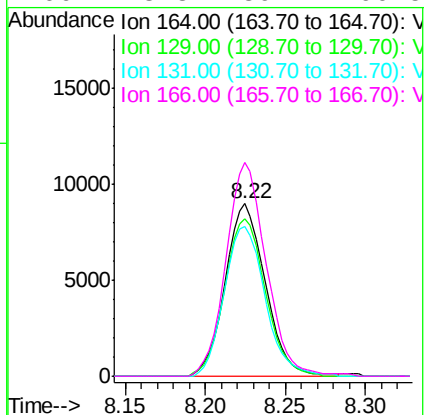
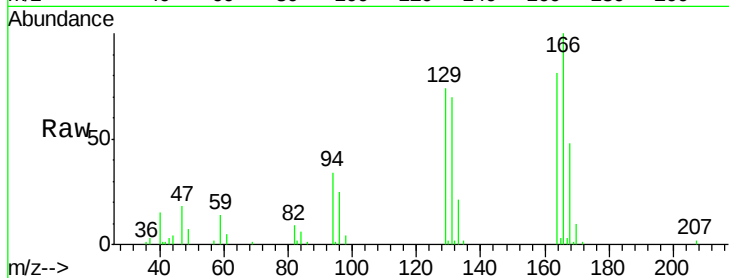




#46
Tetrachloroethene
Concen: 4.840 ug/L
RT: 8.22 min Scan# 2219
Delta R.T. 0.00 min
Lab File: VU029907.D
Acq: 08 Mar 2019 22:48

Instrument :
MSVOA_U
ClientSampleId :
C0957

Tot Ion:164 Resp: 15469
Ion Ratio Lower Upper
164 100
129 91.1 62.1 115.3
131 86.9 60.1 111.5
166 123.8 89.7 166.5



#54
o-xylene
Concen: 5.043 ug/L
RT: 9.78 min Scan# 2702
Delta R.T. 0.00 min
Lab File: VU029907.D
Acq: 08 Mar 2019 22:48

Tgt Ion:106 Resp: 33105
Ion Ratio Lower Upper
106 100
91 202.5 144.5 268.3

