

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041119\
 Data File : VU031101.D
 Acq On : 12 Apr 2019 04:03
 Operator : JC/SP
 Sample : K2299-29
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 93 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 DB709

Quant Time: Apr 12 07:30:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Apr 12 07:24:02 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	495923	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	486094	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	222432	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	162710	36.75	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	73.50%
7) Chloroethane-d5	1.68	69	138372	41.18	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	82.36%
11) 1,1-Dichloroethene-d2	2.27	63	223329	27.89	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	55.78%#
21) 2-Butanone-d5	4.17	46	350686	99.95	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	99.95%
24) Chloroform-d	4.64	84	325103	48.07	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.14%
26) 1,2-Dichloroethane-d4	5.31	65	220949	47.88	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.76%
32) Benzene-d6	5.33	84	613295	43.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.44%
36) 1,2-Dichloropropane-d6	6.32	67	219387	45.11	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	90.22%
41) Toluene-d8	7.56	98	500748	39.81	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	79.62%#
43) trans-1,3-Dichloropropene-	7.85	79	90756	40.93	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	81.86%
47) 2-Hexanone-d5	8.31	63	203600	91.60	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	91.60%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	321353	48.99	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.98%
64) 1,2-Dichlorobenzene-d4	11.85	152	202769	46.35	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.70%

Target Compounds

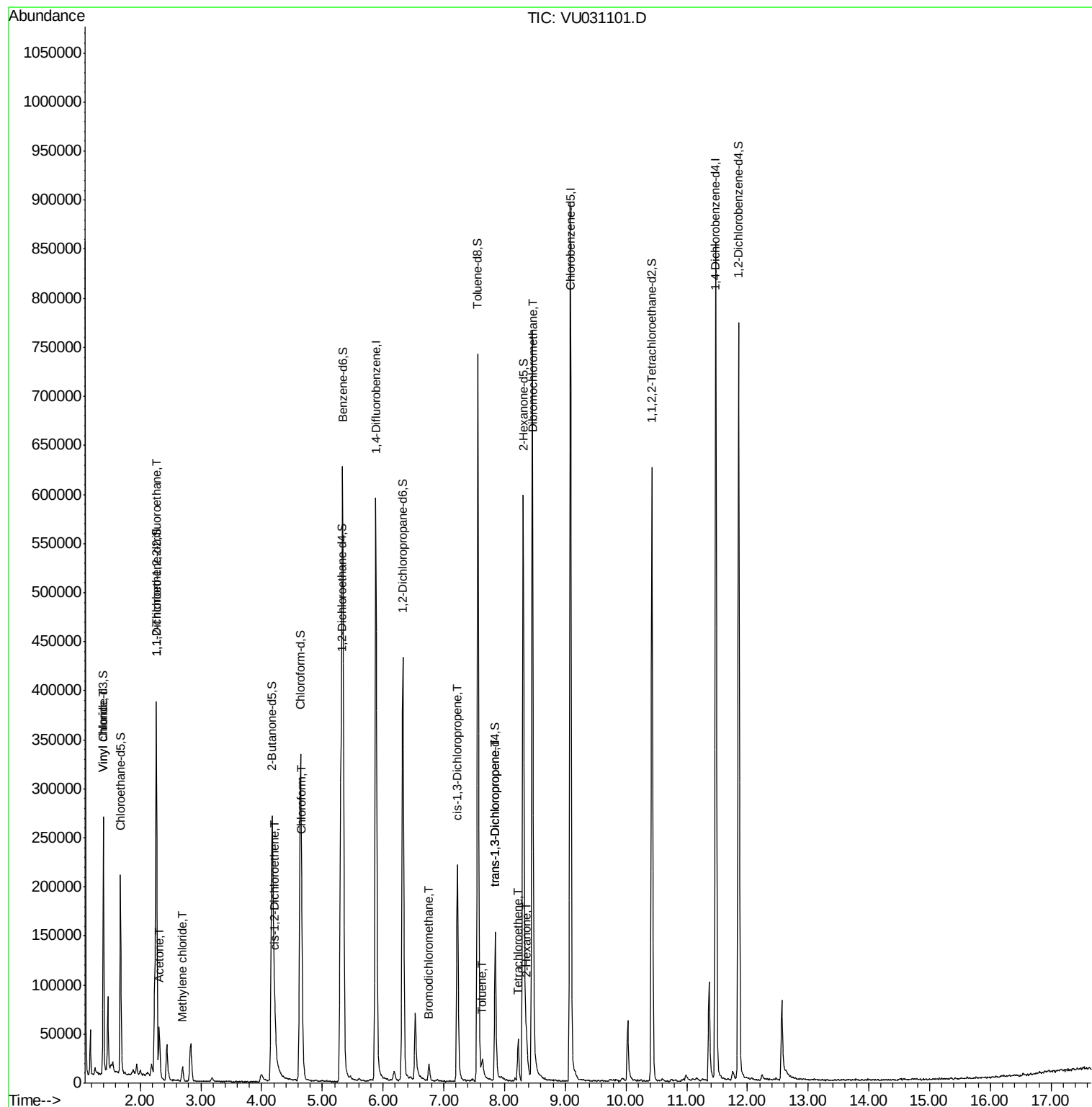
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.40	62	4212	0.772	ug/L #	1
10) 1,1,2-Trichloro-1,2,2-trif	2.26	101	2090	0.589	ug/L #	22
13) Acetone	2.32	43	53629	14.937	ug/L	95
16) Methylene chloride	2.70	84	6689	1.606	ug/L	78
20) cis-1,2-Dichloroethene	4.23	96	15932	3.964	ug/L	88
25) Chloroform	4.67	83	46778	6.196	ug/L	97
38) Bromodichloromethane	6.76	83	12259	2.256	ug/L #	95
39) cis-1,3-Dichloropropene	7.22	75	5222	0.815	ug/L	86
42) Toluene	7.64	91	14581	0.898	ug/L	97
44) trans-1,3-Dichloropropene	7.85	75	3780	0.669	ug/L	91
46) Tetrachloroethene	8.22	164	10141	3.575	ug/L	93
48) 2-Hexanone	8.36	43	17912	3.170	ug/L #	92
49) Dibromochloromethane	8.48	129	5322	1.313	ug/L	100

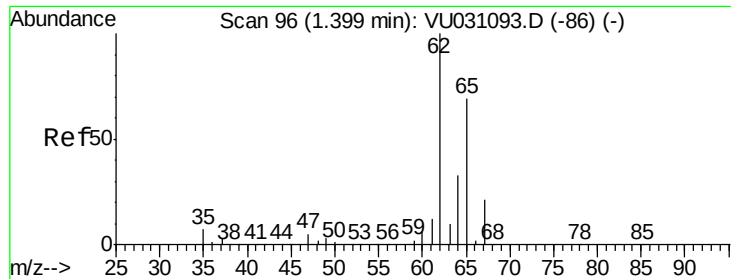
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.772 ug/L

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU031101.D

Acq: 12 Apr 2019 04:03

Instrument :

MSVOA_U

ClientSampled :

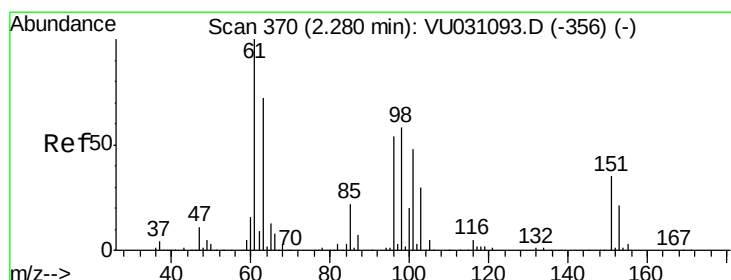
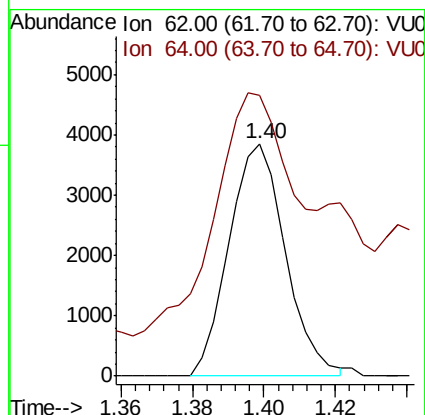
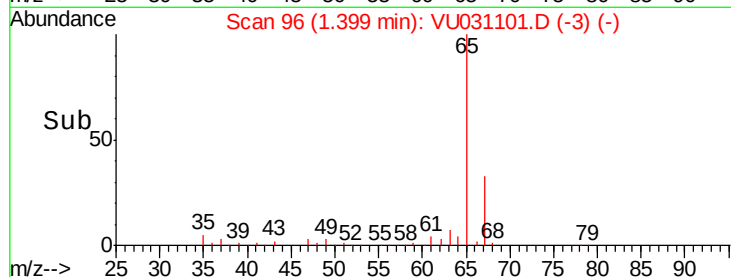
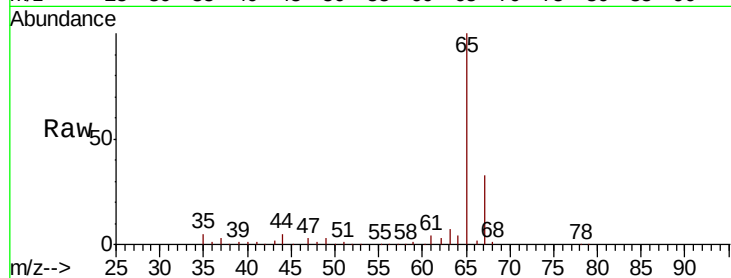
DB709

Tot Ion: 62 Resp: 4212

Ion Ratio Lower Upper

62 100

64 121.0 21.5 39.9#



#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.589 ug/L

RT: 2.26 min Scan# 365

Delta R.T. -0.02 min

Lab File: VU031101.D

Acq: 12 Apr 2019 04:03

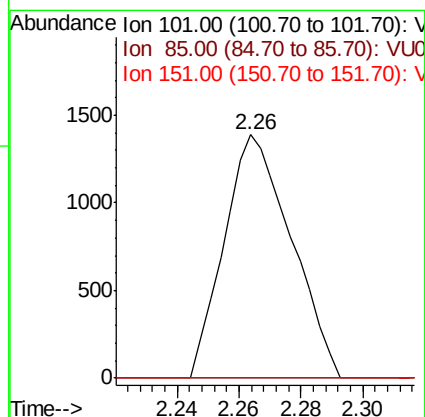
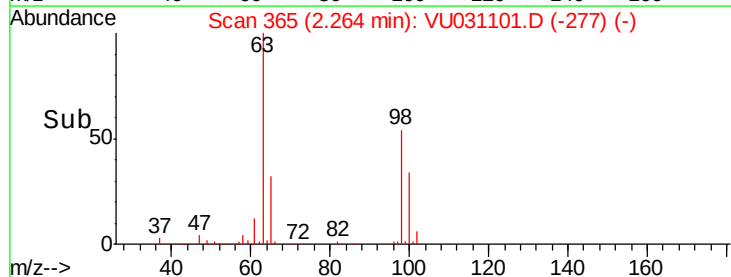
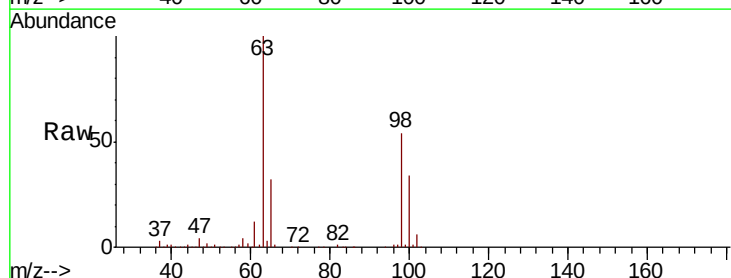
Tgt Ion: 101 Resp: 2090

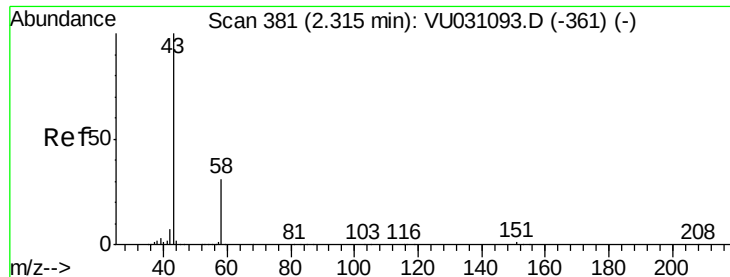
Ion Ratio Lower Upper

101 100

85 0.0 36.8 55.2#

151 2.2 57.4 86.0#





#13

Acetone

Concen: 14.937 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VU031101.D

Acq: 12 Apr 2019 04:03

Instrument :

MSVOA_U

ClientSampled :

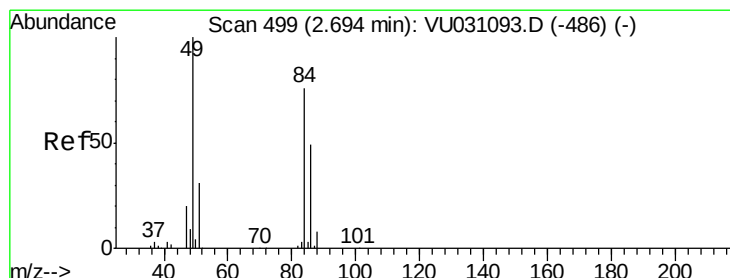
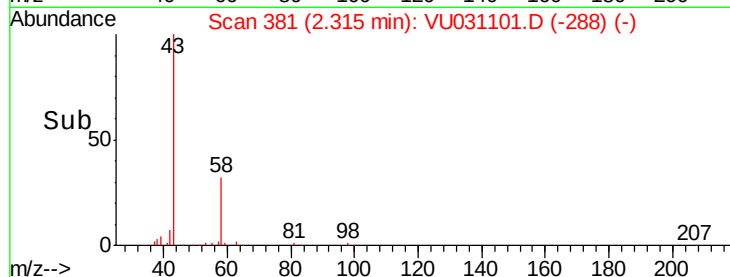
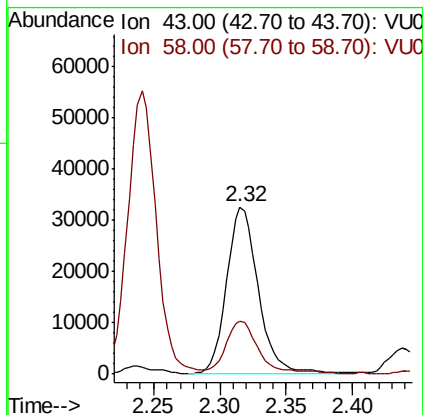
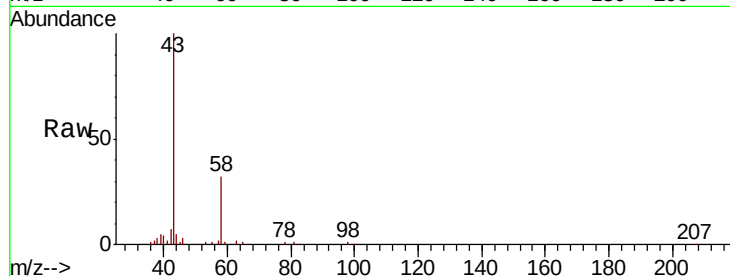
DB709

Tot Ion: 43 Resp: 53629

Ion Ratio Lower Upper

43 100

58 29.2 0.0 64.0



#16

Methylene chloride

Concen: 1.606 ug/L

RT: 2.70 min Scan# 501

Delta R.T. 0.01 min

Lab File: VU031101.D

Acq: 12 Apr 2019 04:03

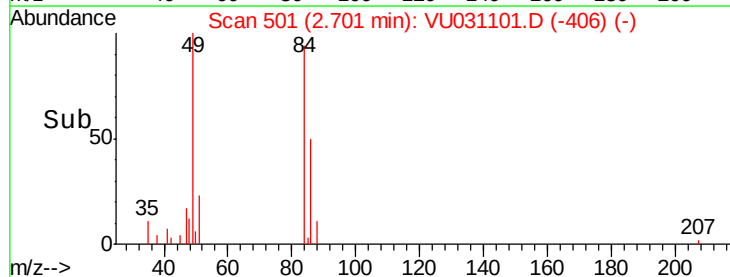
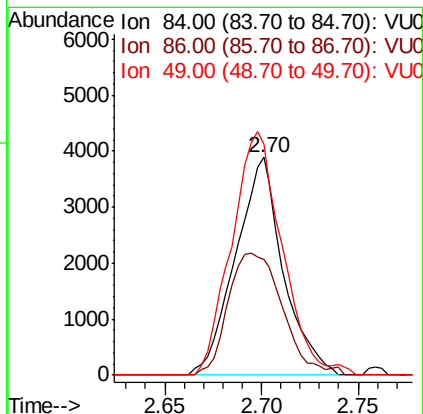
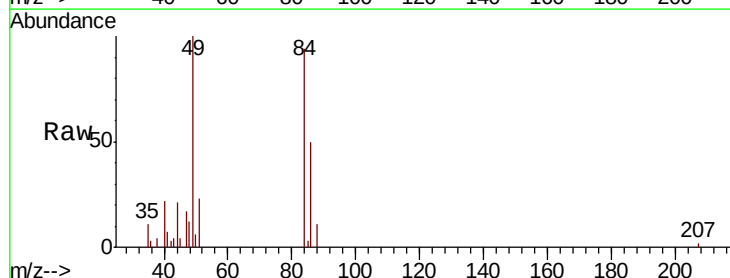
Tgt Ion: 84 Resp: 6689

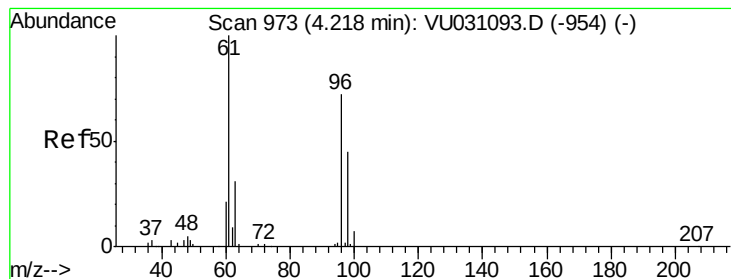
Ion Ratio Lower Upper

84 100

86 53.3 45.1 83.7

49 106.4 96.5 179.1





#20

cis-1,2-Dichloroethene

Concen: 3.964 ug/L

RT: 4.23 min Scan# 975

Delta R.T. 0.01 min

Lab File: VU031101.D

Acq: 12 Apr 2019 04:03

Instrument :

MSVOA_U

ClientSampleId :

DB709

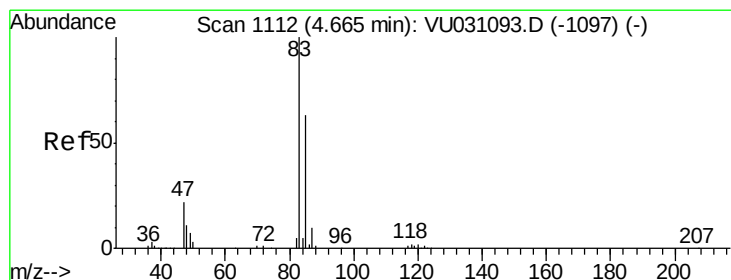
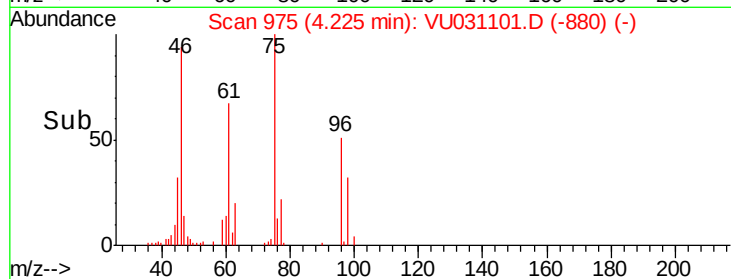
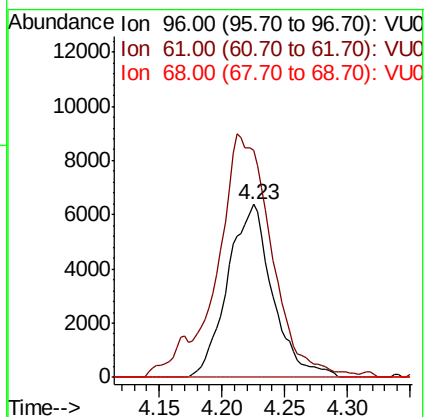
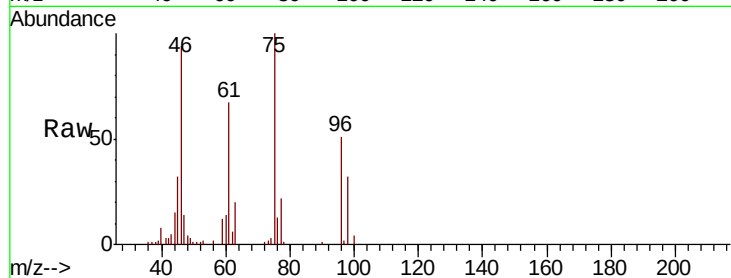
Tot Ion: 96 Resp: 15932

Ion Ratio Lower Upper

96 100

61 131.5 102.9 191.1

68 0.0 0.0 0.0



#25

Chloroform

Concen: 6.196 ug/L

RT: 4.67 min Scan# 1113

Delta R.T. 0.00 min

Lab File: VU031101.D

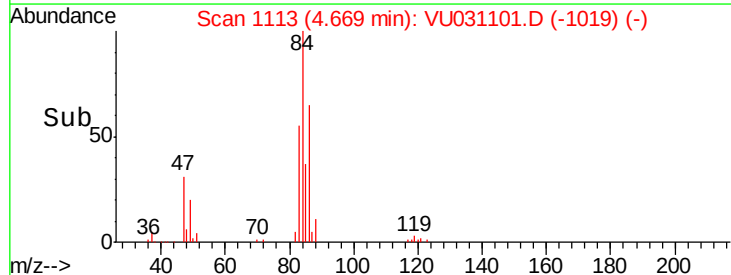
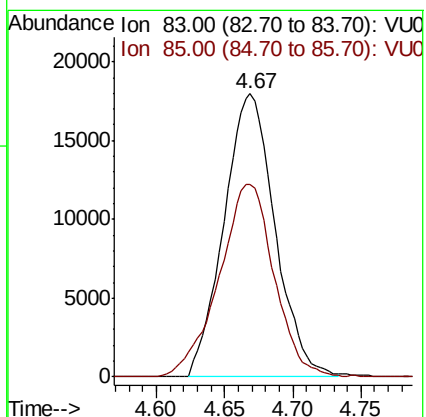
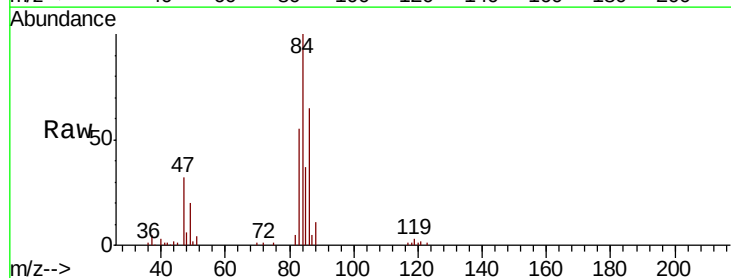
Acq: 12 Apr 2019 04:03

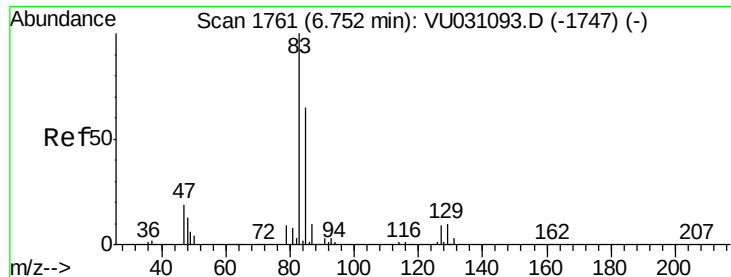
Tgt Ion: 83 Resp: 46778

Ion Ratio Lower Upper

83 100

85 68.1 45.8 85.0





#38

Bromodichloromethane

Concen: 2.256 ug/L

RT: 6.76 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VU031101.D

Acq: 12 Apr 2019 04:03

Instrument :

MSVOA_U

ClientSampleId :

DB709

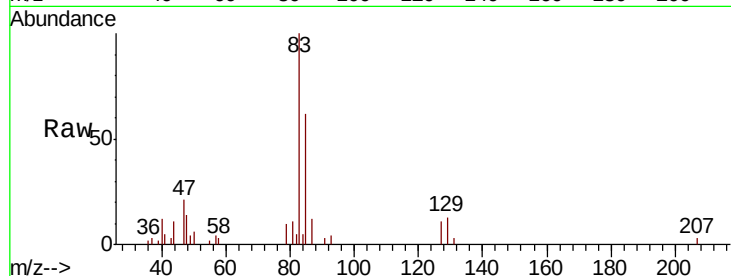
Tot Ion: 83 Resp: 12259

Ion Ratio Lower Upper

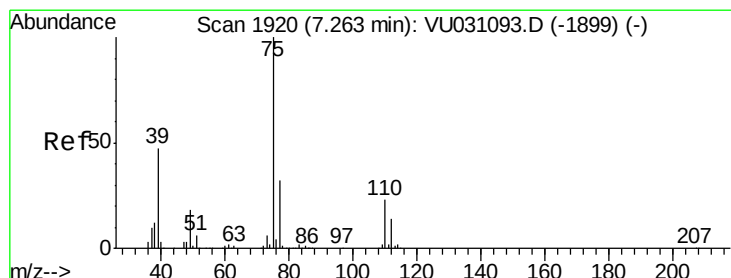
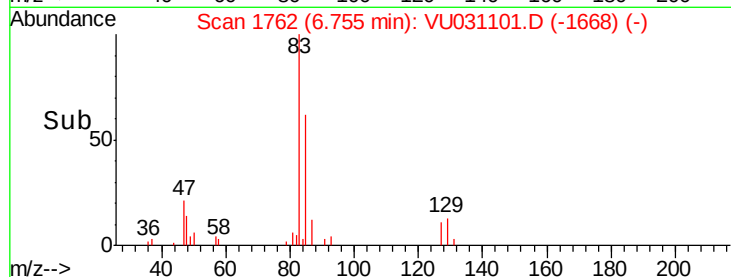
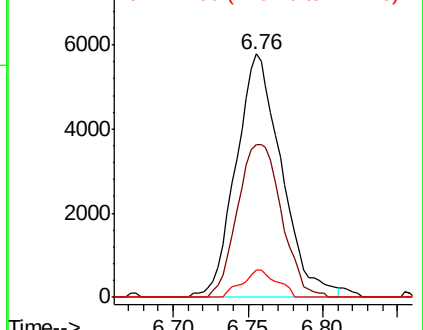
83 100

85 62.5 46.5 86.3

127 11.1 6.6 10.0#



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



#39

cis-1,3-Dichloropropene

Concen: 0.815 ug/L

RT: 7.22 min Scan# 1908

Delta R.T. -0.04 min

Lab File: VU031101.D

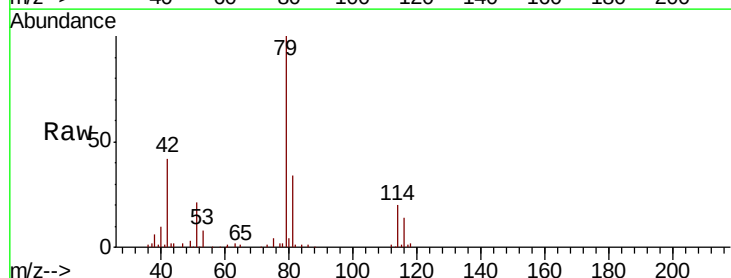
Acq: 12 Apr 2019 04:03

Tgt Ion: 75 Resp: 5222

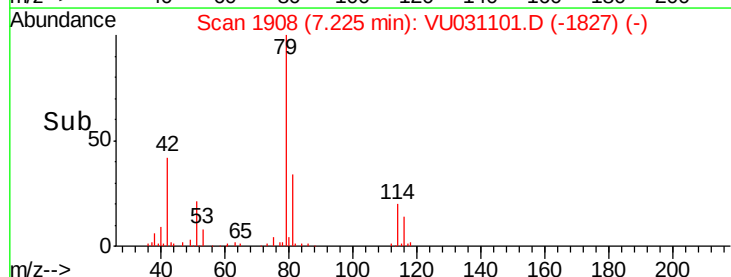
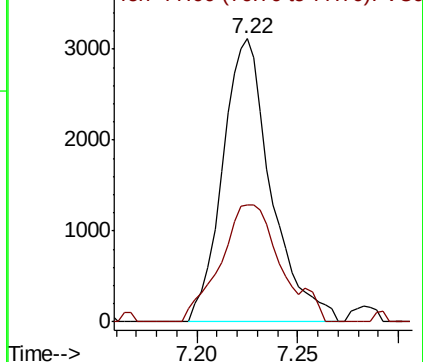
Ion Ratio Lower Upper

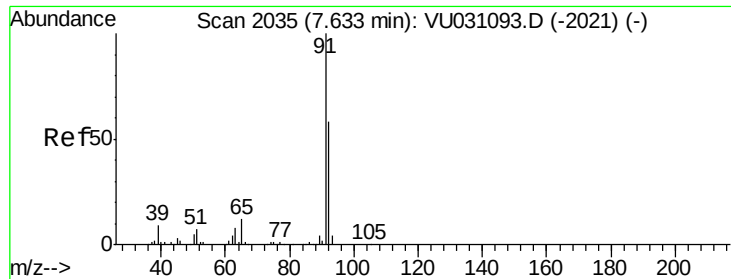
75 100

77 41.1 23.1 42.9



Abundance Ion 75.00 (74.70 to 75.70): VU0
Ion 77.00 (76.70 to 77.70): VU0





#42

Toluene

Concen: 0.898 ug/L

RT: 7.64 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VU031101.D

Acq: 12 Apr 2019 04:03

Instrument :

MSVOA_U

ClientSampleId :

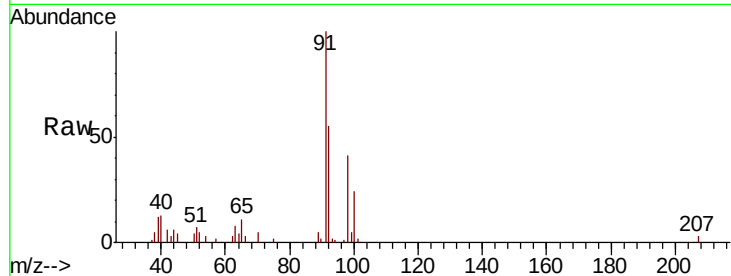
DB709

Tot Ion: 91 Resp: 14581

Ion Ratio Lower Upper

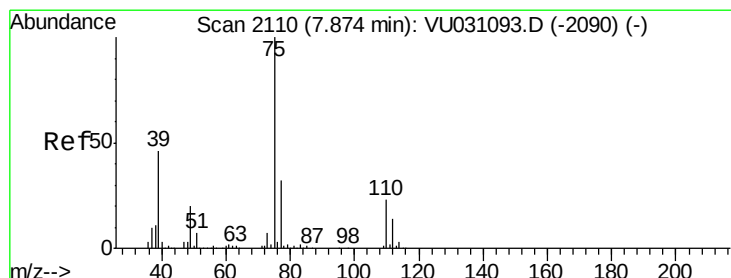
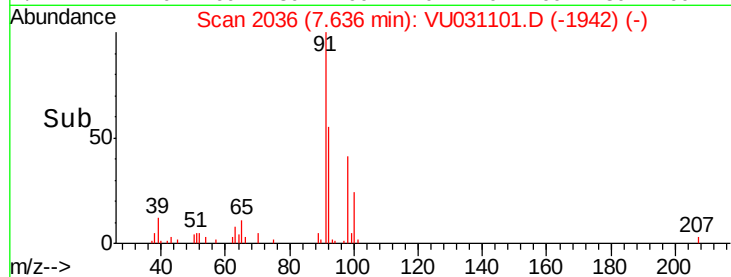
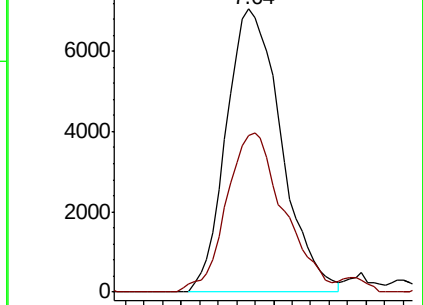
91 100

92 55.2 40.0 74.4



Abundance Ion 91.00 (90.70 to 91.70): VU031101.D (-1942) (-)

Ion 92.00 (91.70 to 92.70): VU031101.D (-1942) (-)



#44

trans-1,3-Dichloropropene

Concen: 0.669 ug/L

RT: 7.85 min Scan# 2101

Delta R.T. -0.03 min

Lab File: VU031101.D

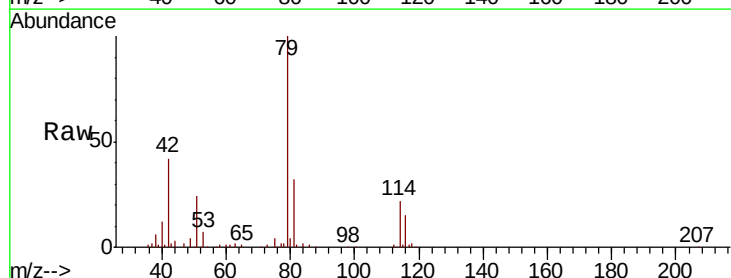
Acq: 12 Apr 2019 04:03

Tgt Ion: 75 Resp: 3780

Ion Ratio Lower Upper

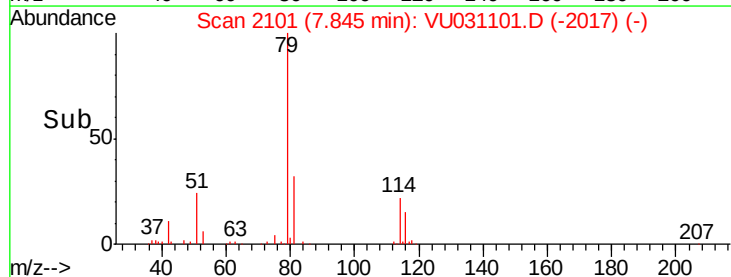
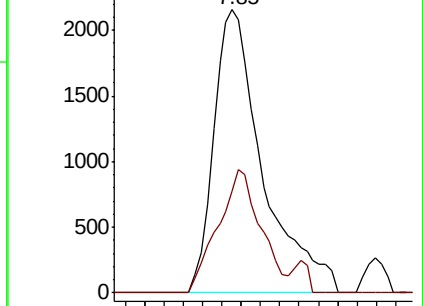
75 100

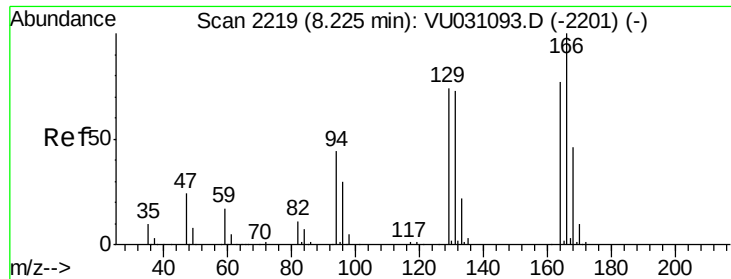
77 35.9 21.6 40.0



Abundance Ion 75.00 (74.70 to 75.70): VU031101.D (-2017) (-)

Ion 77.00 (76.70 to 77.70): VU031101.D (-2017) (-)

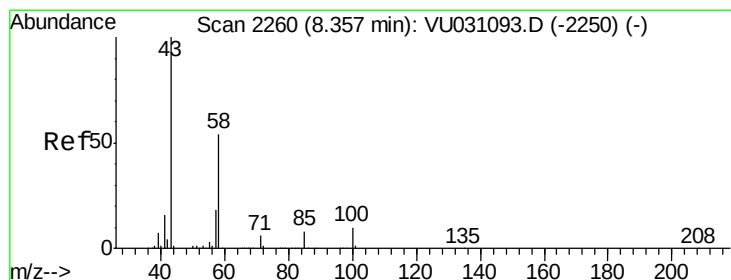
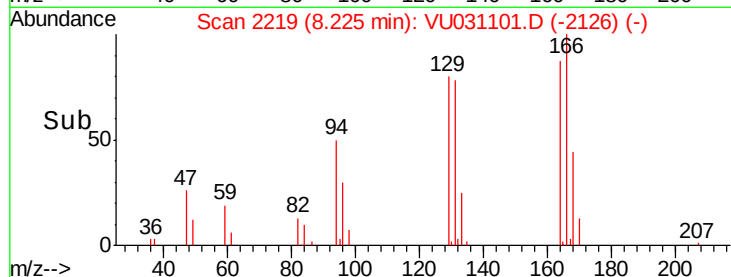
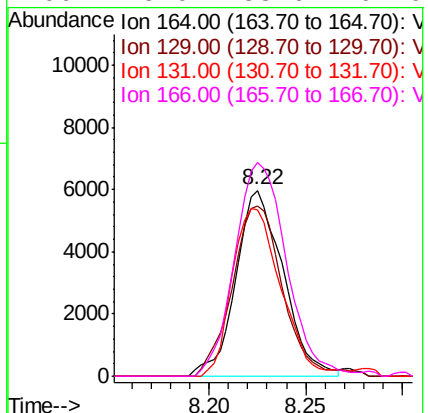
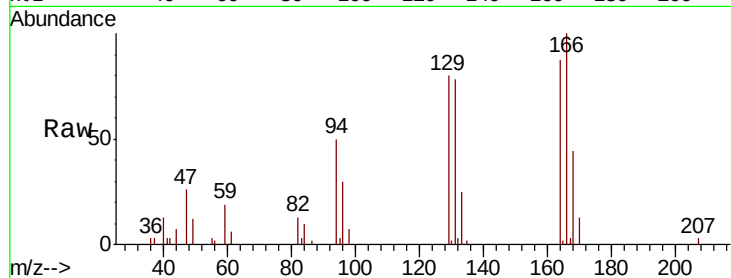




#46
Tetrachloroethene
Concen: 3.575 ug/L
RT: 8.22 min Scan# 2219
Delta R.T. 0.00 min
Lab File: VU031101.D
Acq: 12 Apr 2019 04:03

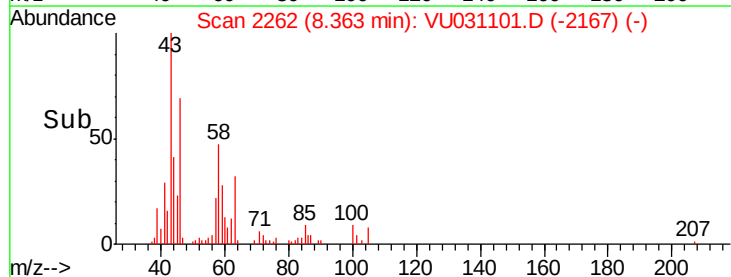
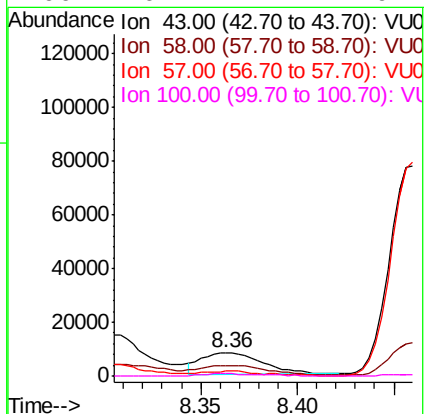
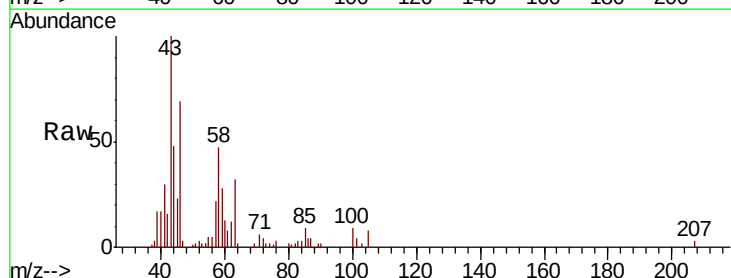
Instrument :
MSVOA_U
ClientSampleId :
DB709

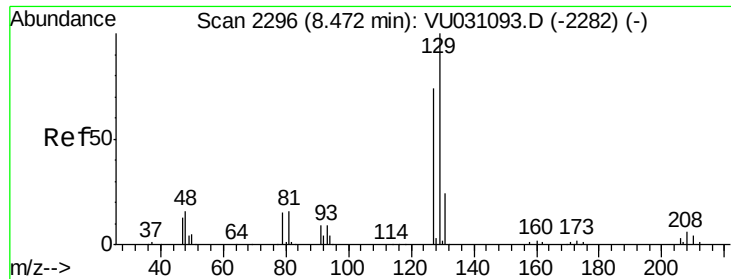
Tot Ion:164 Resp: 10141
Ion Ratio Lower Upper
164 100
129 91.7 67.4 125.2
131 89.4 65.9 122.5
166 115.0 88.6 164.6



#48
2-Hexanone
Concen: 3.170 ug/L
RT: 8.36 min Scan# 2262
Delta R.T. 0.01 min
Lab File: VU031101.D
Acq: 12 Apr 2019 04:03

Tgt Ion: 43 Resp: 17912
Ion Ratio Lower Upper
43 100
58 48.7 41.9 62.9
57 10.3 14.3 21.5#
100 6.7 7.1 10.7#





#49

Dibromochloromethane

Concen: 1.313 ug/L

RT: 8.48 min Scan# 2297

Delta R.T. 0.00 min

Lab File: VU031101.D

Acq: 12 Apr 2019 04:03

Instrument :

MSVOA_U

ClientSampleId :

DB709

Tot Ion:129 Resp: 5322

Ion Ratio Lower Upper

129 100

127 78.1 54.5 101.3

