

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041119\
 Data File : VU031073.D
 Acq On : 11 Apr 2019 16:59
 Operator : JC/SP
 Sample : K2277-21MERE
 Misc : 5.69g/5mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 64 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BF2R5ME

Quant Time: Apr 12 04:49:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Apr 12 04:43:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	731224	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	722309	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	360490	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	191987	29.41	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	58.82%#
7) Chloroethane-d5	1.70	69	403	0.08	ug/L	0.03
Spiked Amount	50.000	Range	70 - 130	Recovery	=	0.16%#
11) 1,1-Dichloroethene-d2	2.23	63	311655	26.40	ug/L	-0.03
Spiked Amount	50.000	Range	60 - 125	Recovery	=	52.80%#
21) 2-Butanone-d5	4.18	46	437590	84.59	ug/L	0.02
Spiked Amount	100.000	Range	40 - 130	Recovery	=	84.59%
24) Chloroform-d	4.64	84	382759	38.39	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	76.78%
26) 1,2-Dichloroethane-d4	5.30	65	283810	41.71	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.42%
32) Benzene-d6	5.33	84	795876	37.74	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	75.48%
36) 1,2-Dichloropropane-d6	6.32	67	280860	38.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	77.74%
41) Toluene-d8	7.56	98	689011	36.86	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	73.72%#
43) trans-1,3-Dichloropropene-	7.85	79	128485	38.99	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	77.98%
47) 2-Hexanone-d5	8.32	63	318615	96.47	ug/L	0.01
Spiked Amount	100.000	Range	45 - 130	Recovery	=	96.47%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	439845	45.12	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	90.24%
64) 1,2-Dichlorobenzene-d4	11.86	152	296824	41.87	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	83.74%

Target Compounds

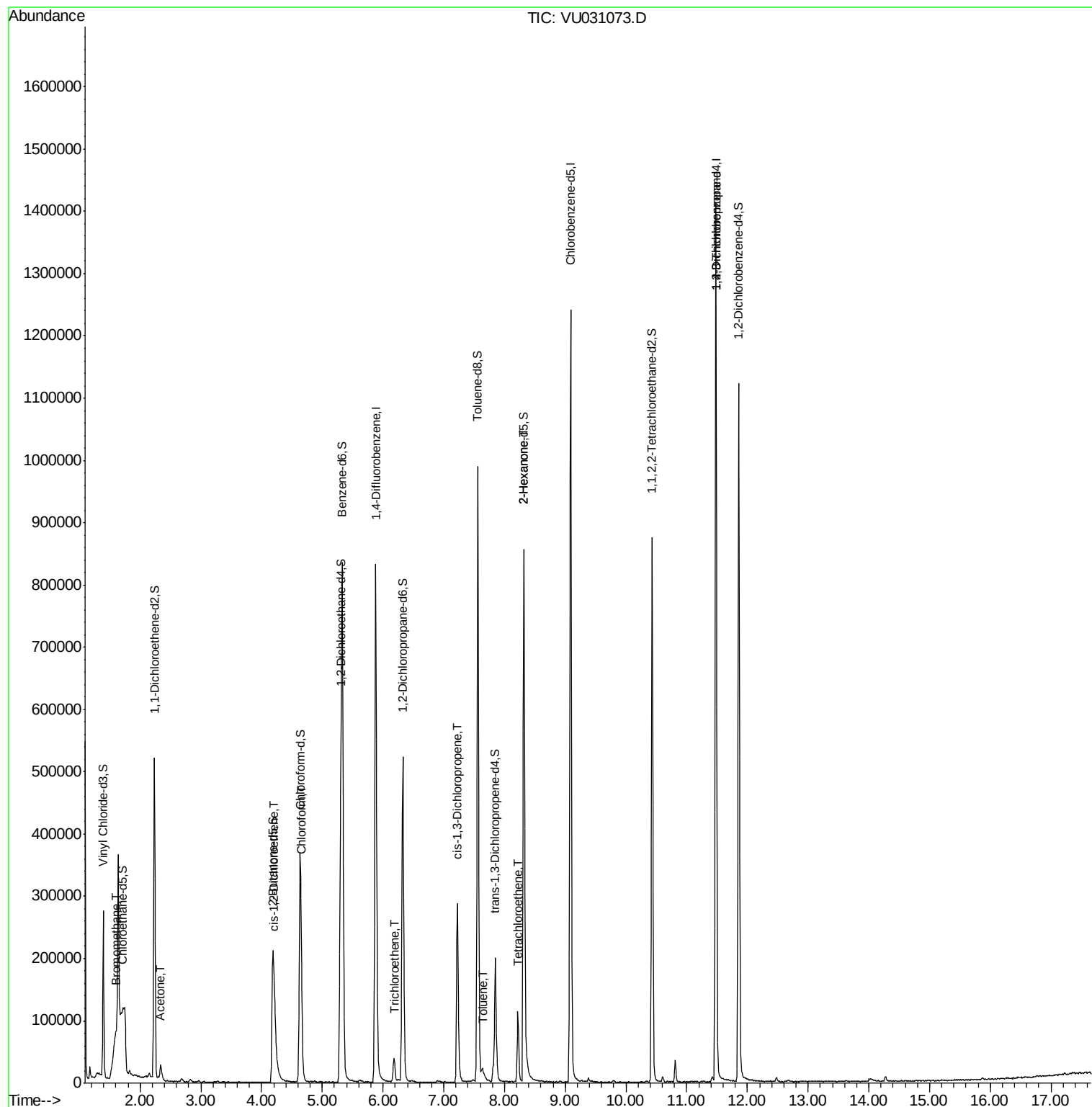
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
6) Bromomethane	1.60	94	2387	0.573	ug/L	79
13) Acetone	2.34	43	35599	6.725	ug/L	98
20) cis-1,2-Dichloroethene	4.22	96	20976	3.540	ug/L	99
25) Chloroform	4.66	83	17244	1.549	ug/L	100
34) Trichloroethene	6.18	95	14739	2.542	ug/L	93
39) cis-1,3-Dichloropropene	7.22	75	7565	0.794	ug/L	85
42) Toluene	7.64	91	14982	0.621	ug/L	92
46) Tetrachloroethene	8.22	164	26924	6.388	ug/L	97
48) 2-Hexanone	8.32	43	34831	4.148	ug/L #	72
59) 1,2,3-Trichloropropane	11.48	75	42151	5.258	ug/L	90

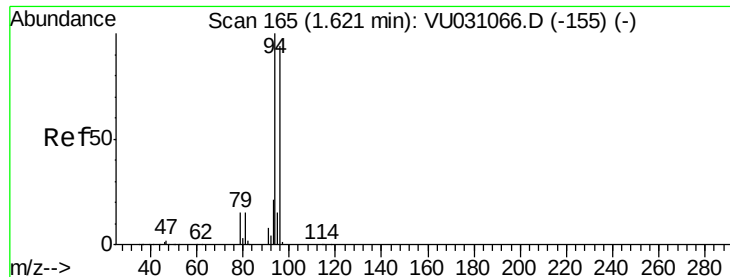
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Apr 12 04:43:47 2019
Response via : Initial Calibration





#6

Bromomethane

Concen: 0.573 ug/L

RT: 1.60 min Scan# 157

Delta R.T. -0.03 min

Lab File: VU031073.D

Acq: 11 Apr 2019 16:59

Instrument :

MSVOA_U

ClientSampleId :

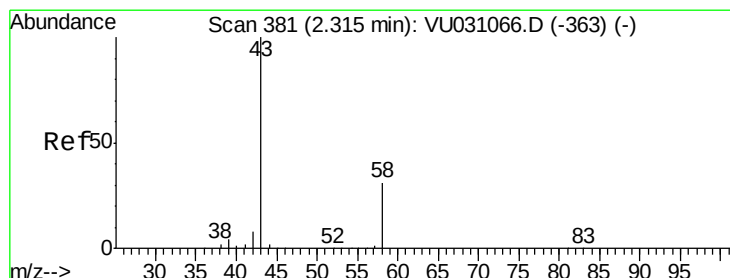
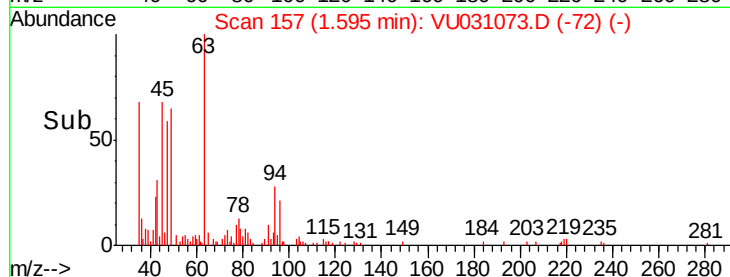
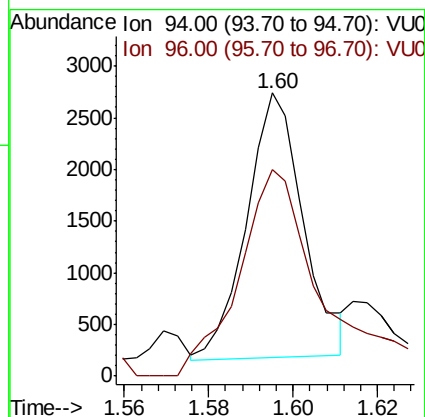
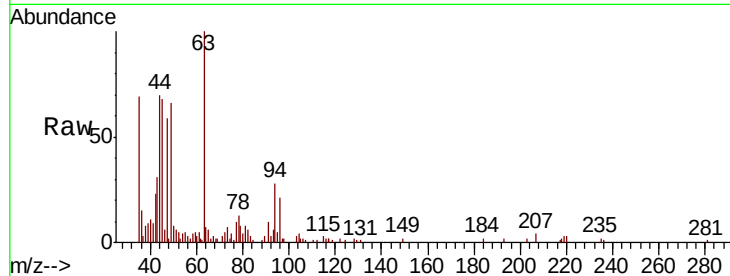
BF2R5ME

Tot Ion: 94 Resp: 2387

Ion Ratio Lower Upper

94 100

96 73.2 65.5 121.7



#13

Acetone

Concen: 6.725 ug/L

RT: 2.34 min Scan# 388

Delta R.T. 0.02 min

Lab File: VU031073.D

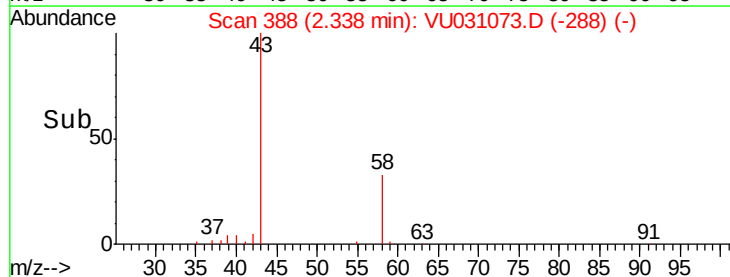
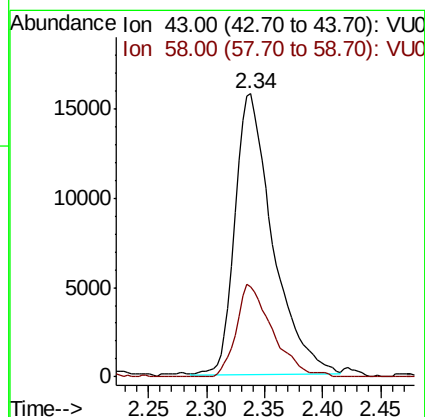
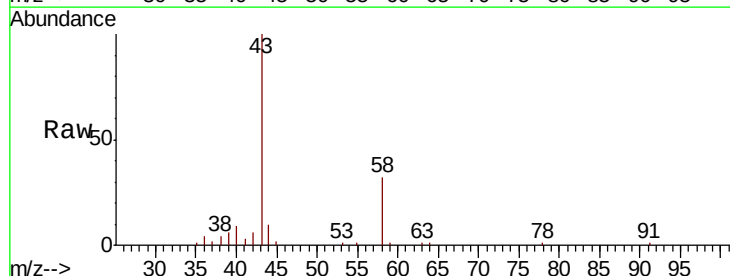
Acq: 11 Apr 2019 16:59

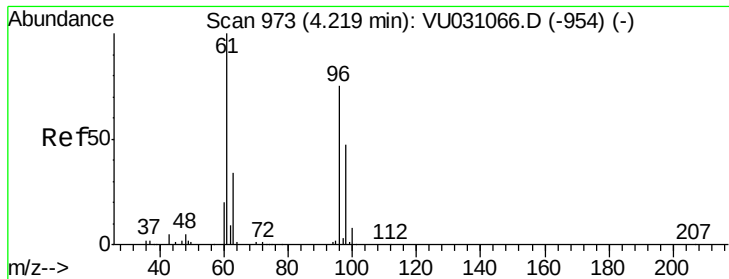
Tgt Ion: 43 Resp: 35599

Ion Ratio Lower Upper

43 100

58 30.7 0.0 64.0





#20

cis-1,2-Dichloroethene

Concen: 3.540 ug/L

RT: 4.22 min Scan# 972

Delta R.T. -0.00 min

Lab File: VU031073.D

Acq: 11 Apr 2019 16:59

Instrument :

MSVOA_U

ClientSampleId :

BF2R5ME

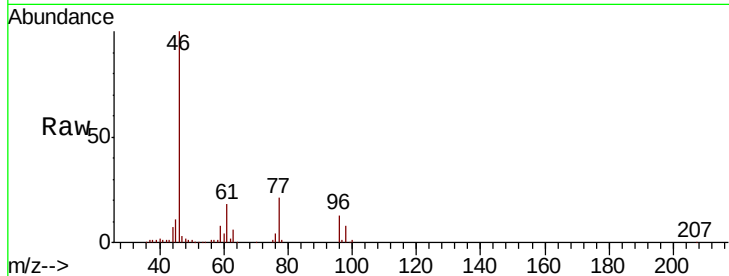
Tot Ion: 96 Resp: 20976

Ion Ratio Lower Upper

96 100

61 146.2 102.9 191.1

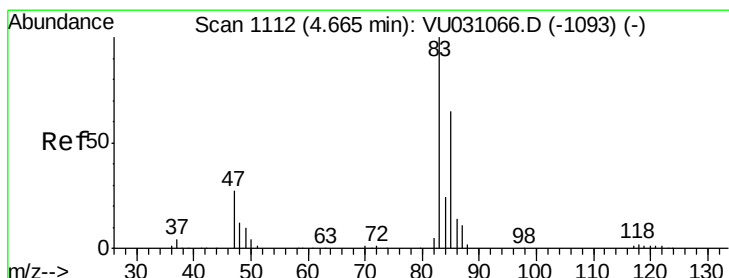
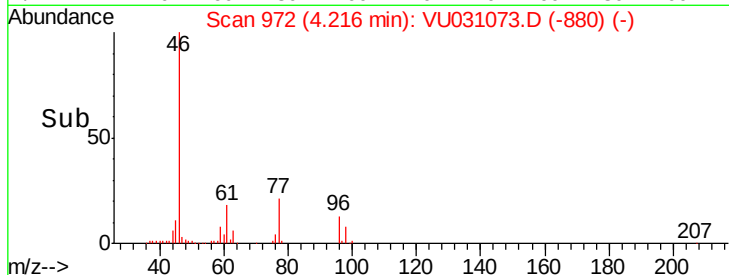
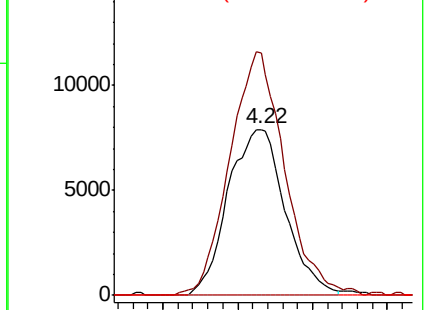
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU031073.D (-880) (-)

Ion 61.00 (60.70 to 61.70): VU031073.D (-880) (-)

Ion 68.00 (67.70 to 68.70): VU031073.D (-880) (-)



#25

Chloroform

Concen: 1.549 ug/L

RT: 4.66 min Scan# 1110

Delta R.T. -0.01 min

Lab File: VU031073.D

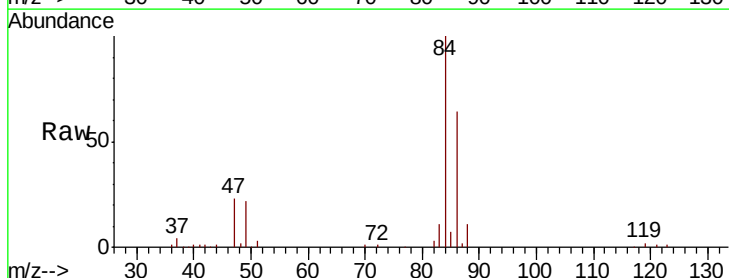
Acq: 11 Apr 2019 16:59

Tgt Ion: 83 Resp: 17244

Ion Ratio Lower Upper

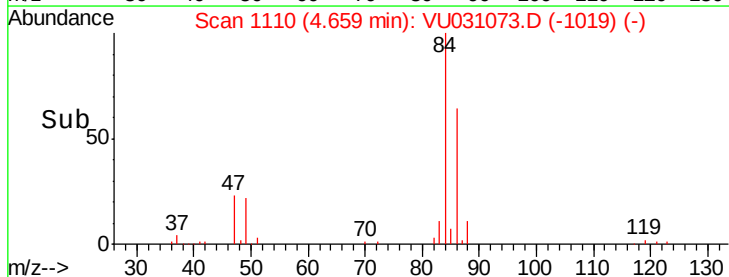
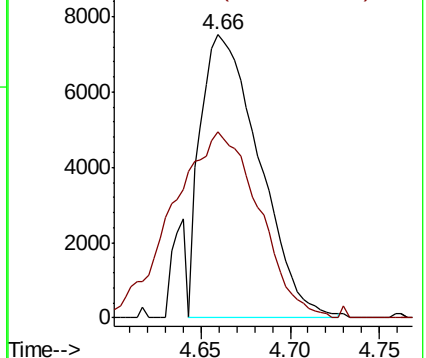
83 100

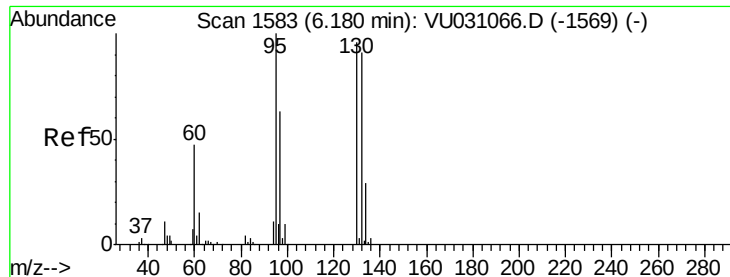
85 65.6 45.8 85.0



Abundance Ion 83.00 (82.70 to 83.70): VU031073.D (-1019) (-)

Ion 85.00 (84.70 to 85.70): VU031073.D (-1019) (-)





#34

Trichloroethene

Concen: 2.542 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VU031073.D

Acq: 11 Apr 2019 16:59

Instrument :

MSVOA_U

ClientSampleId :

BF2R5ME

Tot Ion: 95 Resp: 14739

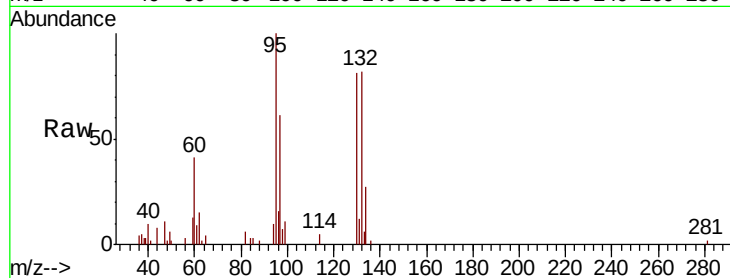
Ion Ratio Lower Upper

95 100

97 61.3 44.5 82.7

132 82.5 61.5 114.1

130 81.2 64.9 120.5

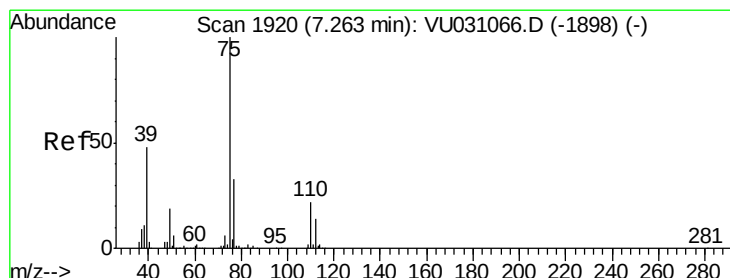
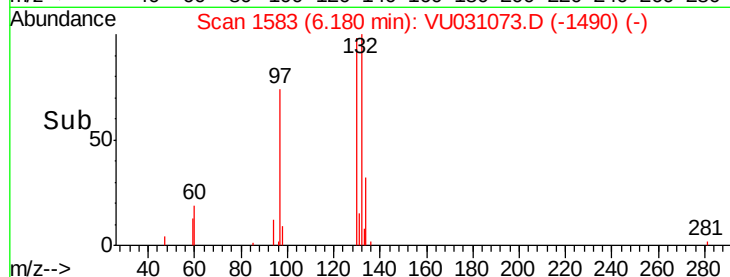
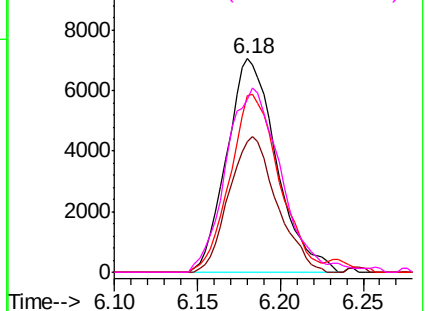


Abundance Ion 95.00 (94.70 to 95.70): VU0

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



#39

cis-1,3-Dichloropropene

Concen: 0.794 ug/L

RT: 7.22 min Scan# 1907

Delta R.T. -0.04 min

Lab File: VU031073.D

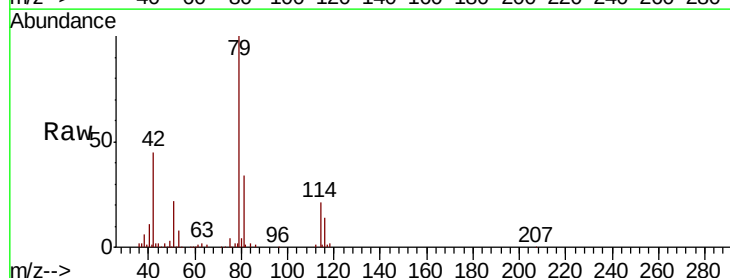
Acq: 11 Apr 2019 16:59

Tgt Ion: 75 Resp: 7565

Ion Ratio Lower Upper

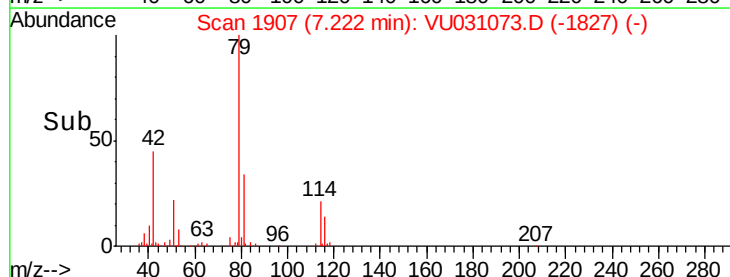
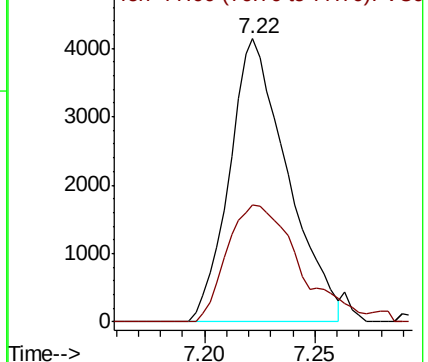
75 100

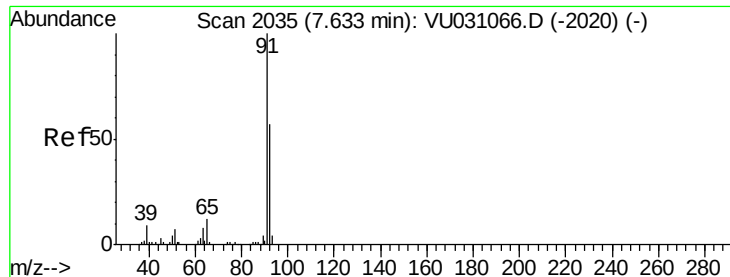
77 41.4 23.1 42.9



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0





#42

Toluene

Concen: 0.621 ug/L

RT: 7.64 min Scan# 2037

Delta R.T. 0.01 min

Lab File: VU031073.D

Acq: 11 Apr 2019 16:59

Instrument :

MSVOA_U

ClientSampleId :

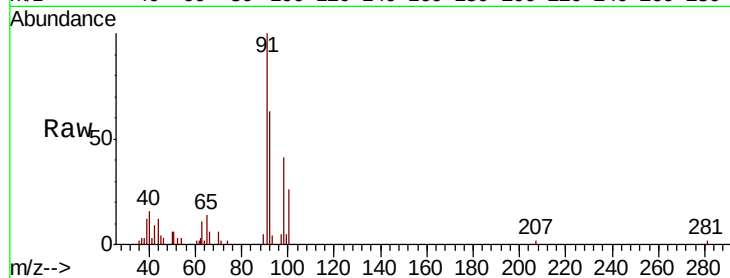
BF2R5ME

Tot Ion: 91 Resp: 14982

Ion Ratio Lower Upper

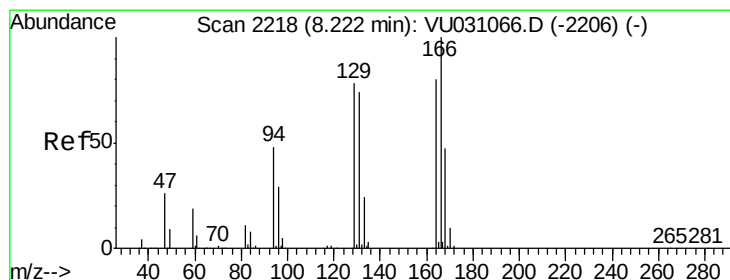
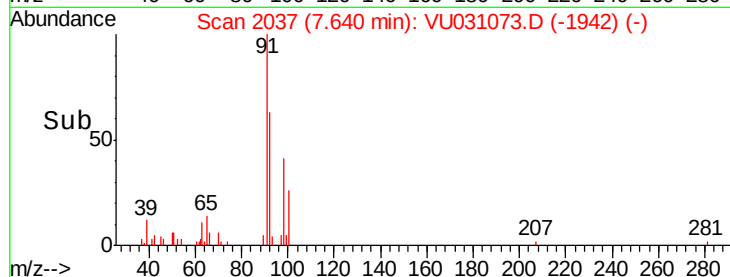
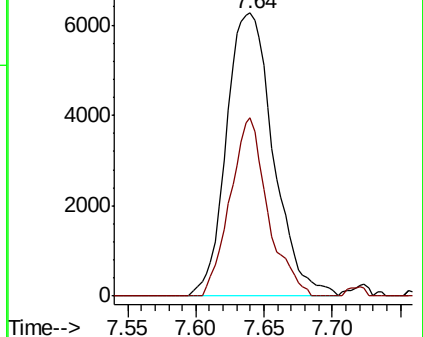
91 100

92 62.9 40.0 74.4



Abundance Ion 91.00 (90.70 to 91.70): VU031066.D (-2020) (-)

Ion 92.00 (91.70 to 92.70): VU031066.D (-2020) (-)



#46

Tetrachloroethene

Concen: 6.388 ug/L

RT: 8.22 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VU031073.D

Acq: 11 Apr 2019 16:59

Tgt Ion: 164 Resp: 26924

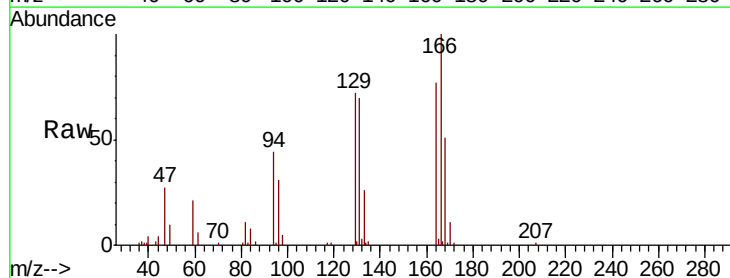
Ion Ratio Lower Upper

164 100

129 94.1 67.4 125.2

131 91.2 65.9 122.5

166 130.5 88.6 164.6

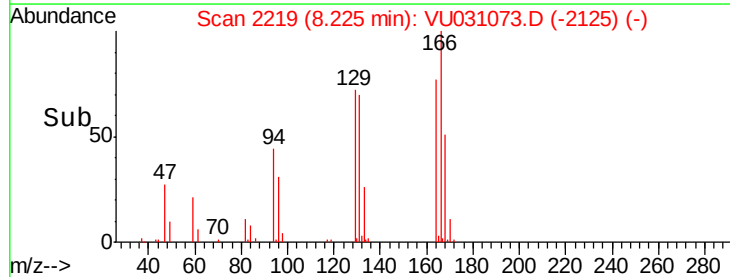
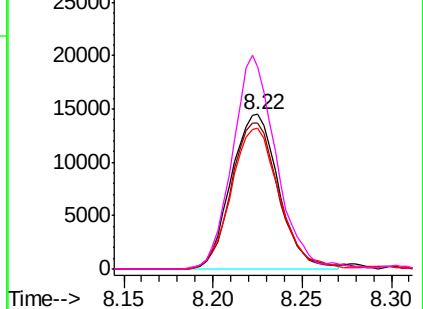


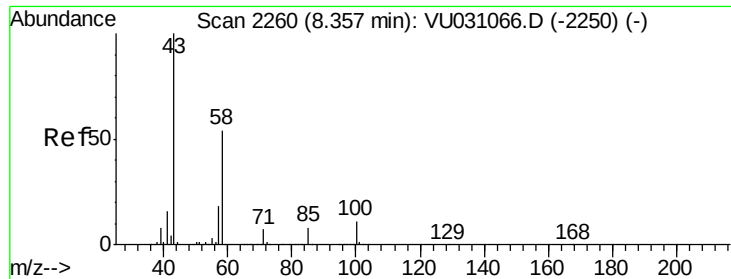
Abundance Ion 164.00 (163.70 to 164.70): VU031066.D (-2206) (-)

Ion 129.00 (128.70 to 129.70): VU031066.D (-2206) (-)

Ion 131.00 (130.70 to 131.70): VU031066.D (-2206) (-)

Ion 166.00 (165.70 to 166.70): VU031066.D (-2206) (-)

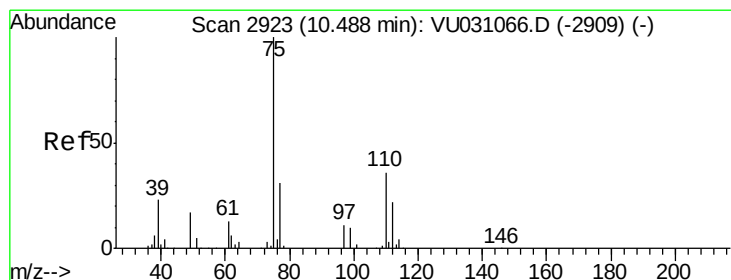
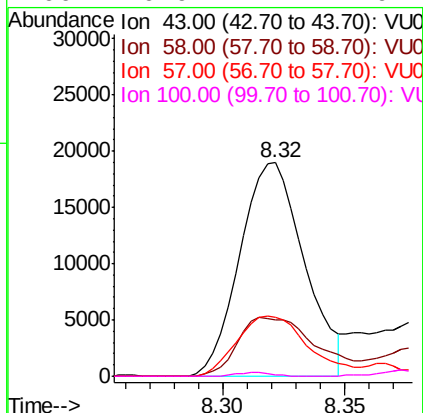
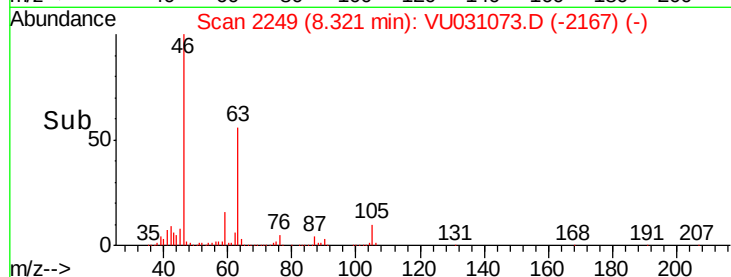
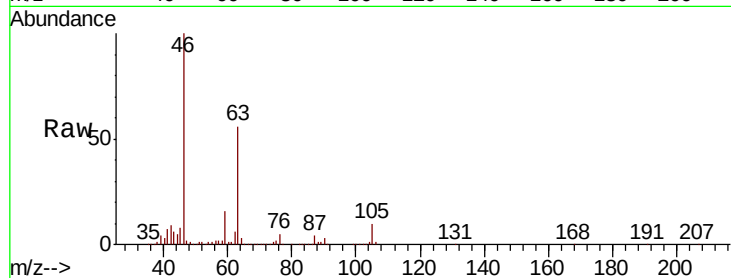




#48
 2-Hexanone
 Concen: 4.148 ug/L
 RT: 8.32 min Scan# 2249
 Delta R.T. -0.04 min
 Lab File: VU031073.D
 Acq: 11 Apr 2019 16:59

Instrument :
 MSVOA_U
 ClientSampleId :
 BF2R5ME

Tot Ion: 43 Resp: 34831
 Ion Ratio Lower Upper
 43 100
 58 32.9 41.9 62.9#
 57 31.4 14.3 21.5#
 100 0.9 7.1 10.7#



#59
 1,2,3-Trichloropropane
 Concen: 5.258 ug/L
 RT: 11.48 min Scan# 3231
 Delta R.T. 0.99 min
 Lab File: VU031073.D
 Acq: 11 Apr 2019 16:59

Tgt Ion: 75 Resp: 42151
 Ion Ratio Lower Upper
 75 100
 77 38.3 26.1 39.1

