

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041119\
 Data File : VU031111.D
 Acq On : 12 Apr 2019 07:52
 Operator : JC/SP
 Sample : K2341-11
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 103 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 DB729

Quant Time: Apr 12 08:49:59 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	486233	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	486367	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	229548	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	152775	35.20	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	70.40%
7) Chloroethane-d5	1.68	69	128510	39.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	78.02%
11) 1,1-Dichloroethene-d2	2.27	63	215193	27.41	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	54.82%#
21) 2-Butanone-d5	4.17	46	310261	90.19	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	90.19%
24) Chloroform-d	4.64	84	289039	43.59	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.18%
26) 1,2-Dichloroethane-d4	5.31	65	203758	45.04	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.08%
32) Benzene-d6	5.33	84	552910	38.94	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	77.88%
36) 1,2-Dichloropropane-d6	6.32	67	200051	41.11	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	82.22%
41) Toluene-d8	7.56	98	464171	36.88	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	73.76%#
43) trans-1,3-Dichloropropene-	7.85	79	82634	37.24	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	74.48%
47) 2-Hexanone-d5	8.31	63	165741	74.53	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	74.53%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	296645	45.20	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	90.40%
64) 1,2-Dichlorobenzene-d4	11.86	152	201430	44.62	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.24%

Target Compounds

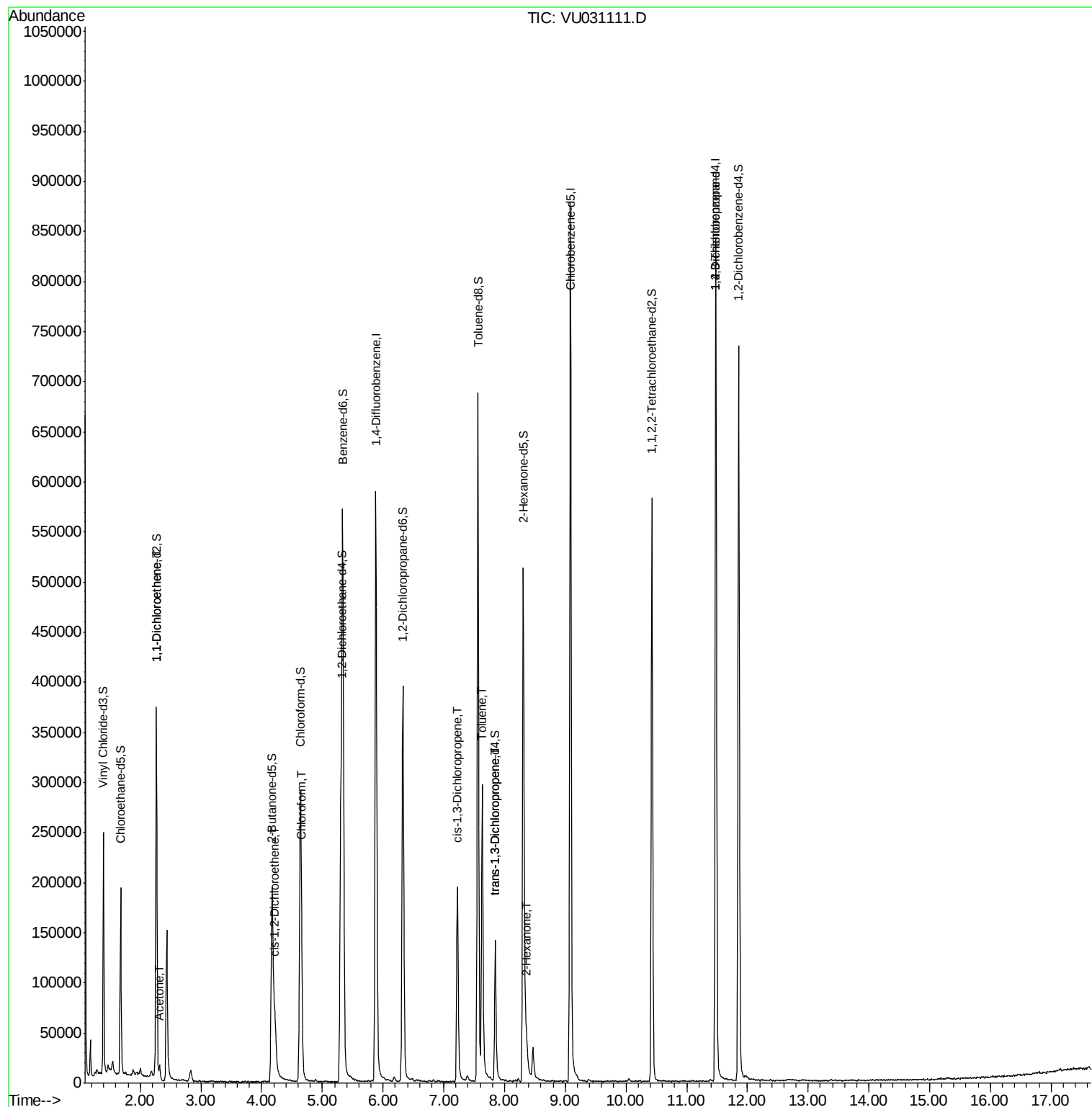
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	2.27	96	2111	0.628	ug/L #	1
13) Acetone	2.32	43	12872	3.657	ug/L	97
20) cis-1,2-Dichloroethene	4.22	96	21456	5.445	ug/L	98
25) Chloroform	4.67	83	12074	1.631	ug/L	85
39) cis-1,3-Dichloropropene	7.22	75	5571	0.868	ug/L	93
42) Toluene	7.63	91	216795	13.344	ug/L	99
44) trans-1,3-Dichloropropene	7.85	75	3451	0.610	ug/L	86
48) 2-Hexanone	8.36	43	19014	3.363	ug/L #	91
59) 1,2,3-Trichloropropane	11.48	75	27457	5.087	ug/L	92

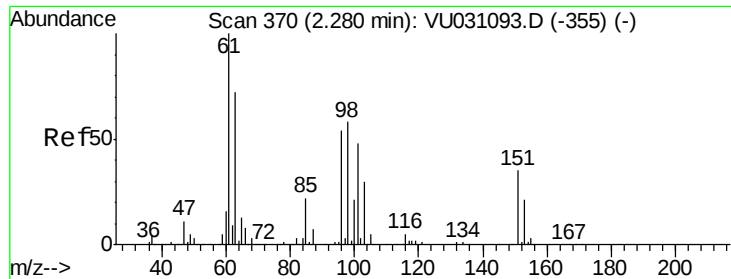
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 0.628 ug/L

RT: 2.27 min Scan# 368

Delta R.T. -0.01 min

Lab File: VU031111.D

Acq: 12 Apr 2019 07:52

Instrument :

MSVOA_U

ClientSampleId :

DB729

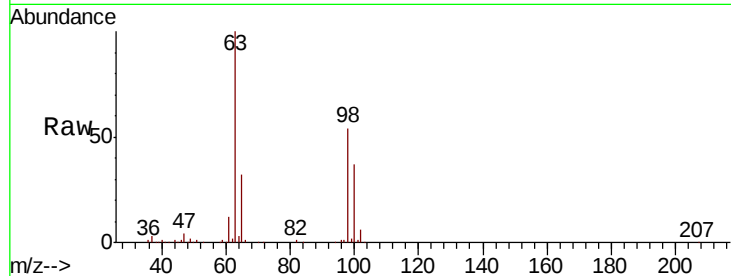
Tot Ion: 96 Resp: 2111

Ion Ratio Lower Upper

96 100

61 1182.5 132.0 245.2#

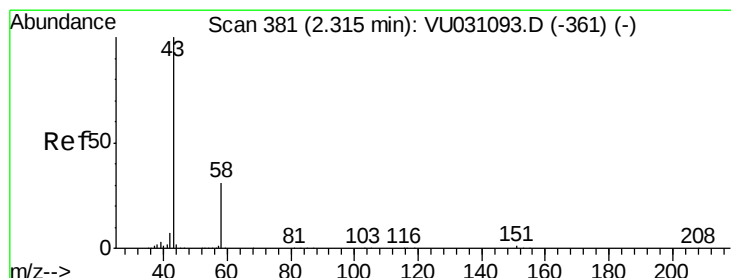
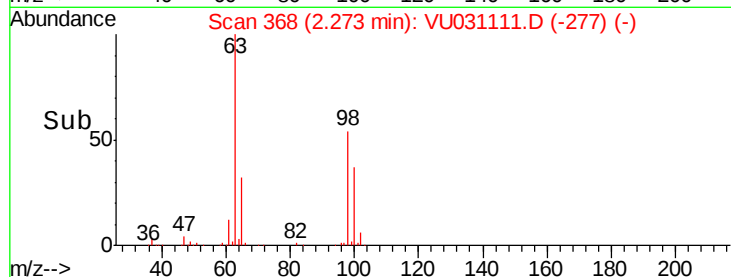
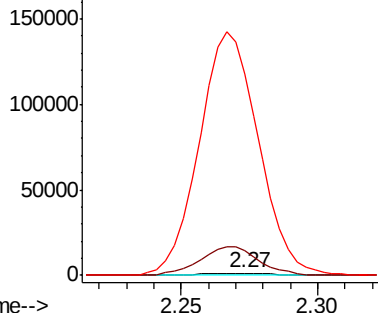
63 9723.9 90.9 168.9#



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: 3.657 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VU031111.D

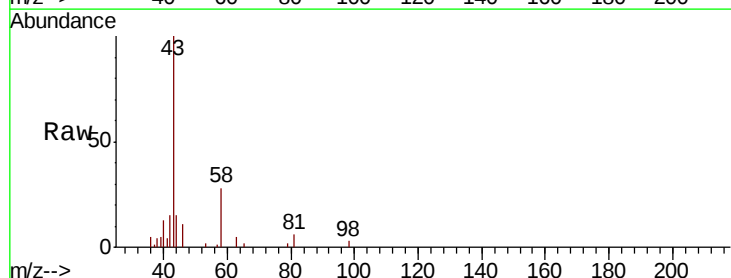
Acq: 12 Apr 2019 07:52

Tgt Ion: 43 Resp: 12872

Ion Ratio Lower Upper

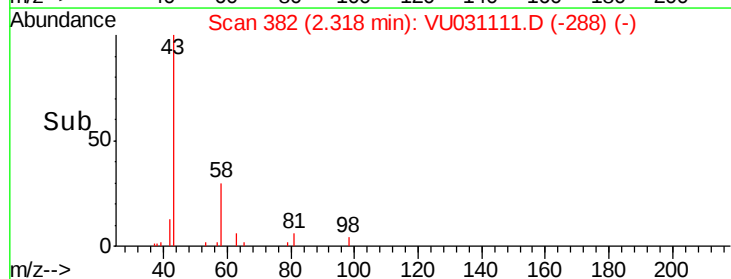
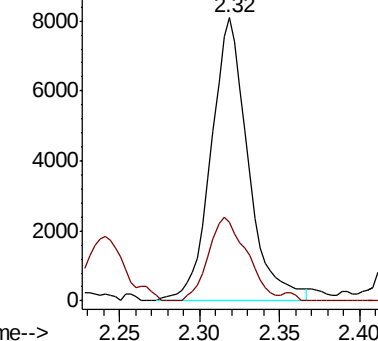
43 100

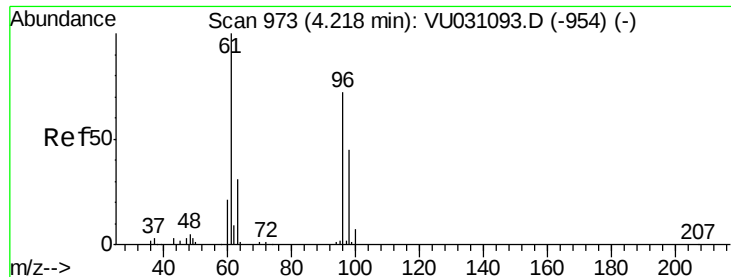
58 30.4 0.0 64.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

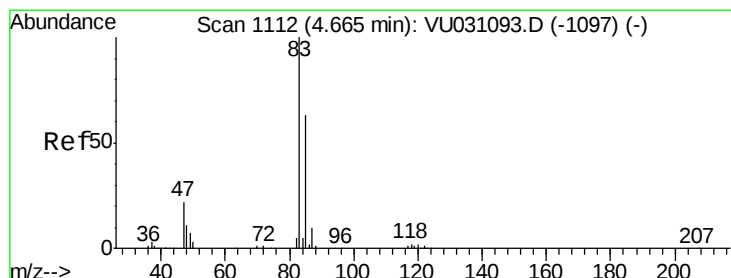
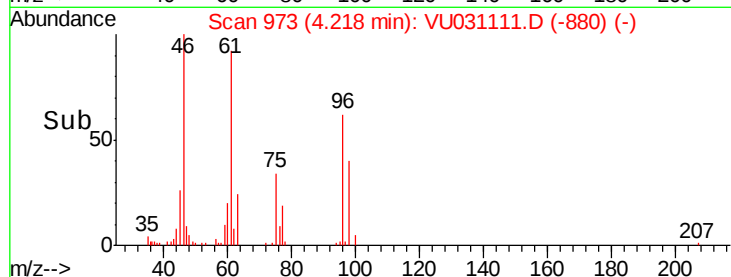
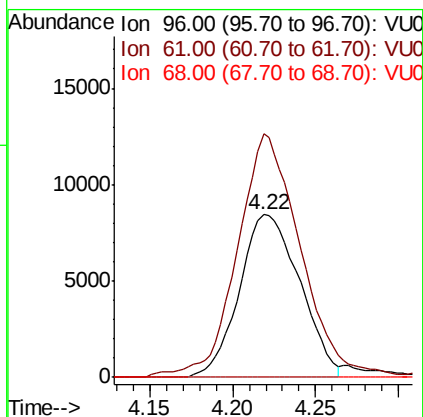
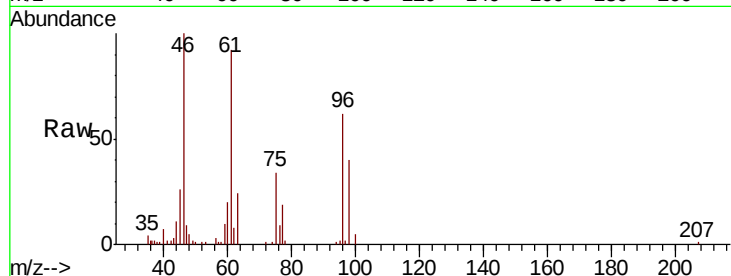




#20
 cis-1,2-Dichloroethene
 Concen: 5.445 ug/L
 RT: 4.22 min Scan# 973
 Delta R.T. 0.00 min
 Lab File: VU031111.D
 Acq: 12 Apr 2019 07:52

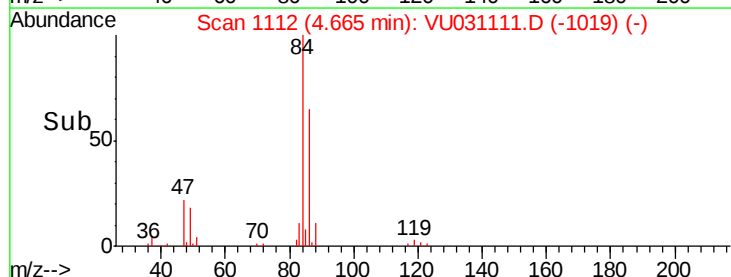
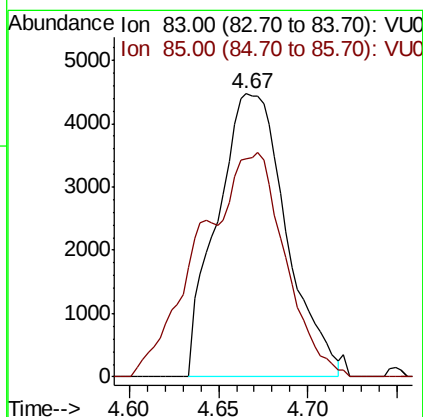
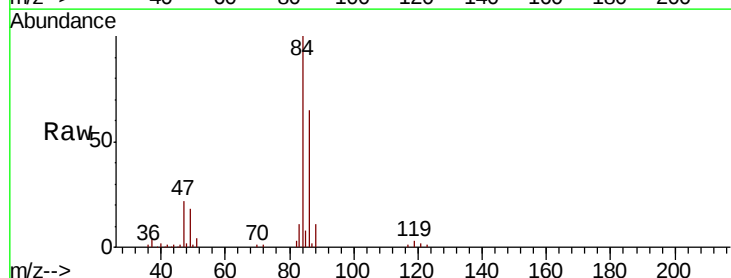
Instrument :
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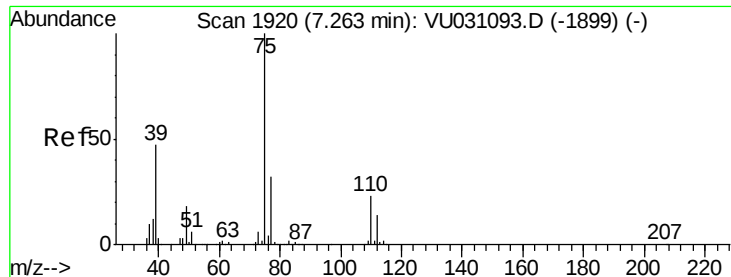
Tot Ion	96	Resp	21456
Ion	Ratio	Lower	Upper
96	100		
61	149.9	102.9	191.1
68	0.0	0.0	0.0



#25
 Chloroform
 Concen: 1.631 ug/L
 RT: 4.67 min Scan# 1112
 Delta R.T. 0.00 min
 Lab File: VU031111.D
 Acq: 12 Apr 2019 07:52

Tgt Ion	83	Resp	12074
Ion	Ratio	Lower	Upper
83	100		
85	77.3	45.8	85.0



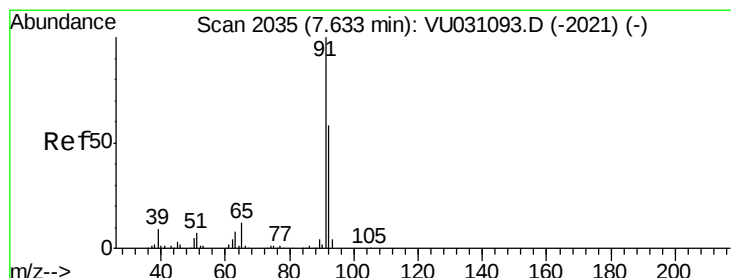
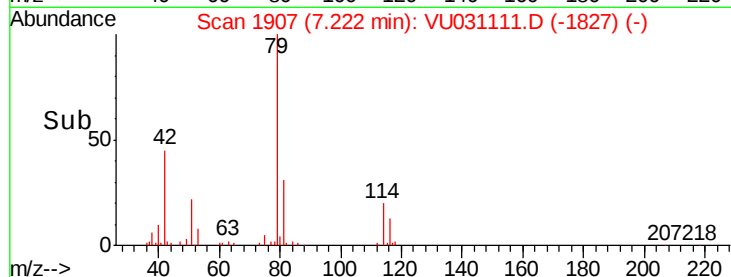
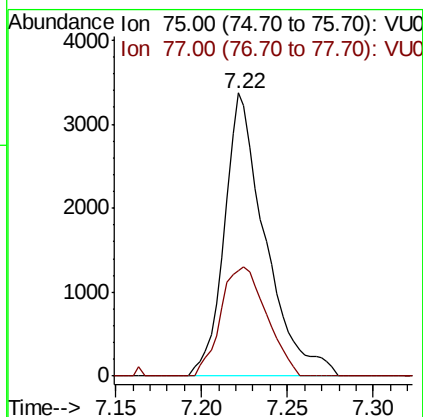
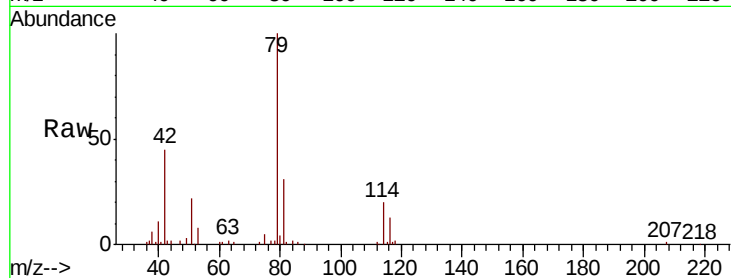


#39

cis-1,3-Dichloropropene
 Concen: 0.868 ug/L
 RT: 7.22 min Scan# 1907
 Delta R.T. -0.04 min
 Lab File: VU031111.D
 Acq: 12 Apr 2019 07:52

Instrument :
 MSVOA_U
 ClientSampleId :
 DB729

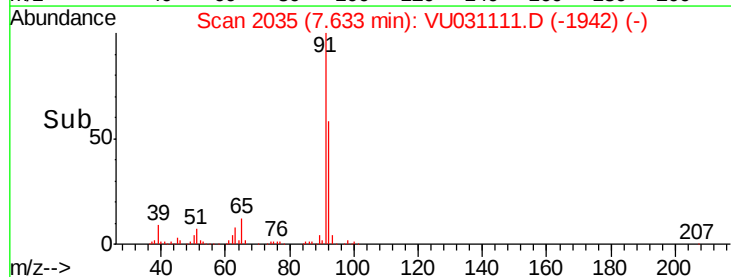
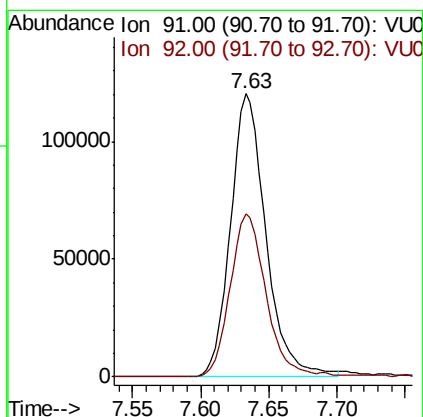
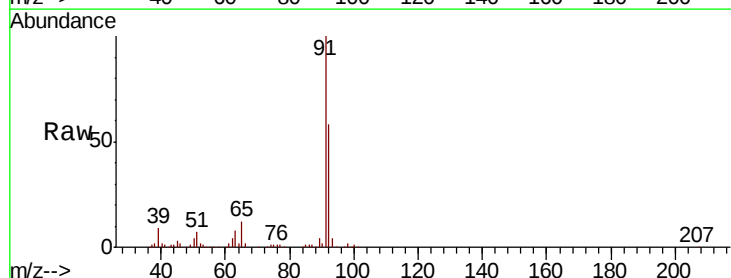
Tot Ion: 75 Resp: 5571
 Ion Ratio Lower Upper
 75 100
 77 37.1 23.1 42.9

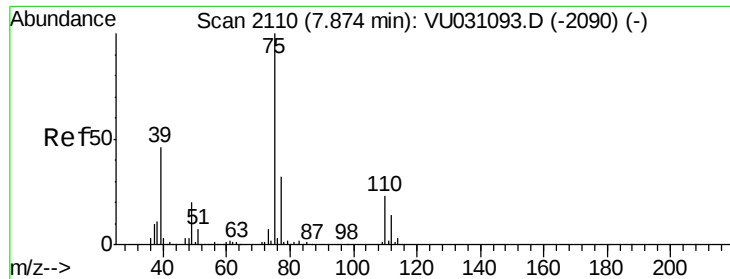


#42

Toluene
 Concen: 13.344 ug/L
 RT: 7.63 min Scan# 2035
 Delta R.T. 0.00 min
 Lab File: VU031111.D
 Acq: 12 Apr 2019 07:52

Tgt Ion: 91 Resp: 216795
 Ion Ratio Lower Upper
 91 100
 92 57.6 40.0 74.4





#44

trans-1,3-Dichloropropene

Concen: 0.610 ug/L

RT: 7.85 min Scan# 2102

Delta R.T. -0.03 min

Lab File: VU031111.D

Acq: 12 Apr 2019 07:52

Instrument :

MSVOA_U

ClientSampleId :

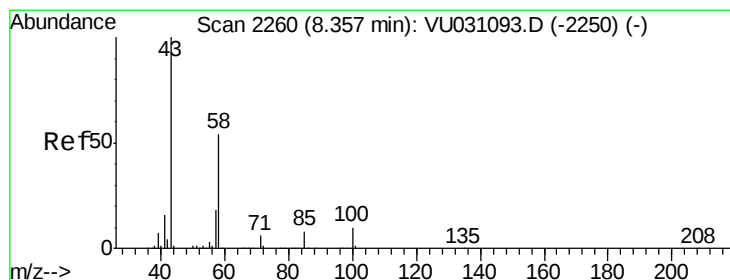
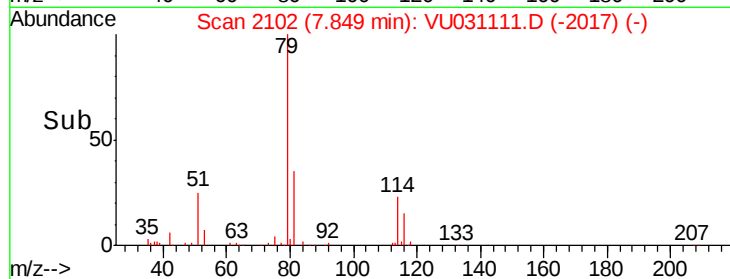
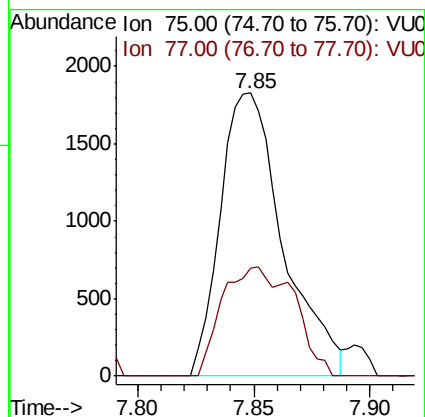
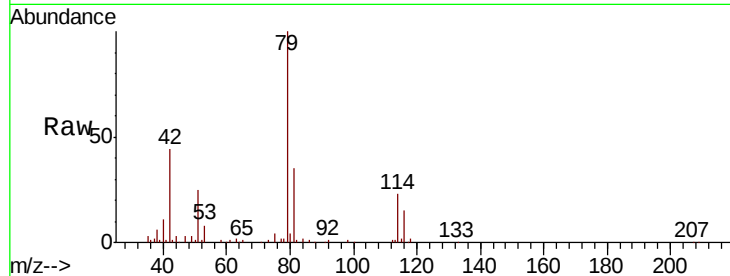
DB729

Tot Ion: 75 Resp: 3451

Ion Ratio Lower Upper

75 100

77 38.2 21.6 40.0



#48

2-Hexanone

Concen: 3.363 ug/L

RT: 8.36 min Scan# 2262

Delta R.T. 0.01 min

Lab File: VU031111.D

Acq: 12 Apr 2019 07:52

Tgt Ion: 43 Resp: 19014

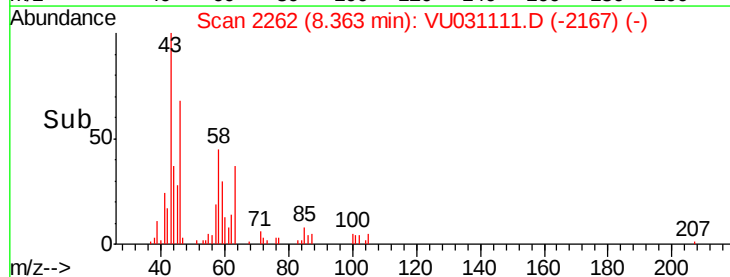
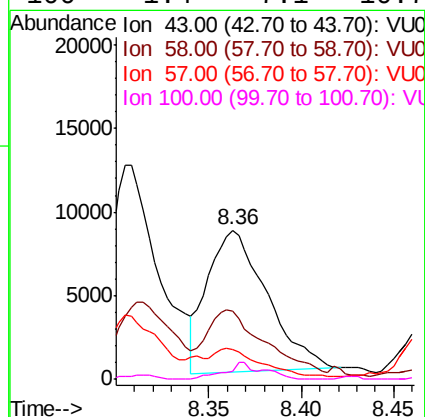
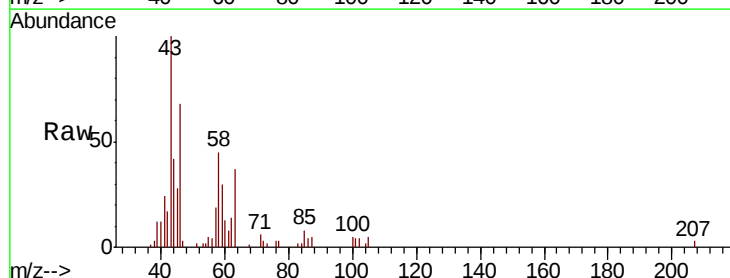
Ion Ratio Lower Upper

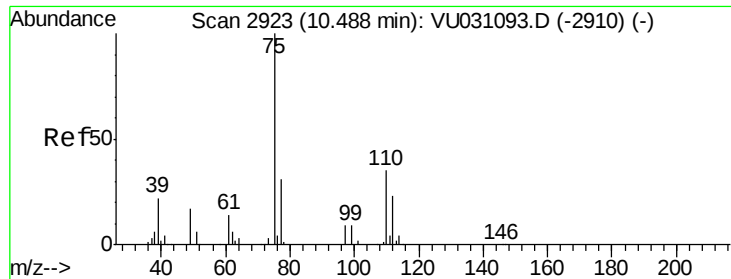
43 100

58 44.8 41.9 62.9

57 17.9 14.3 21.5

100 1.4 7.1 10.7#





#59

1,2,3-Trichloropropane

Concen: 5.087 ug/L

RT: 11.48 min Scan# 3231

Delta R.T. 0.99 min

Lab File: VU031111.D

Acq: 12 Apr 2019 07:52

Instrument :

MSVOA_U

ClientSampleId :

DB729

Tot Ion: 75 Resp: 27457

Ion Ratio Lower Upper

75 100

77 37.0 26.1 39.1

