

Data File : VU031133.D
Acq On : 12 Apr 2019 17:04
Operator : JC/SP
Sample : K2341-14DL 20X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DB736DL

Quant Time: Apr 13 01:05:11 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Apr 13 01:01:33 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	522727	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	502770	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	213051	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	222071	47.59	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	95.18%
7) Chloroethane-d5	1.68	69	167407	47.27	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	94.54%
11) 1,1-Dichloroethene-d2	2.26	63	291999	34.60	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	69.20%
21) 2-Butanone-d5	4.17	46	322550	87.22	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	87.22%
24) Chloroform-d	4.64	84	322205	45.20	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.40%
26) 1,2-Dichloroethane-d4	5.30	65	223803	46.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.02%
32) Benzene-d6	5.33	84	679071	46.27	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.54%
36) 1,2-Dichloropropane-d6	6.32	67	224007	44.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	89.06%
41) Toluene-d8	7.56	98	584485	44.93	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.86%
43) trans-1,3-Dichloropropene-	7.85	79	100801	43.95	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.90%
47) 2-Hexanone-d5	8.31	63	203221	88.40	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	88.40%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	305786	45.07	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	90.14%
64) 1,2-Dichlorobenzene-d4	11.86	152	208115	49.67	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.34%

Target Compounds

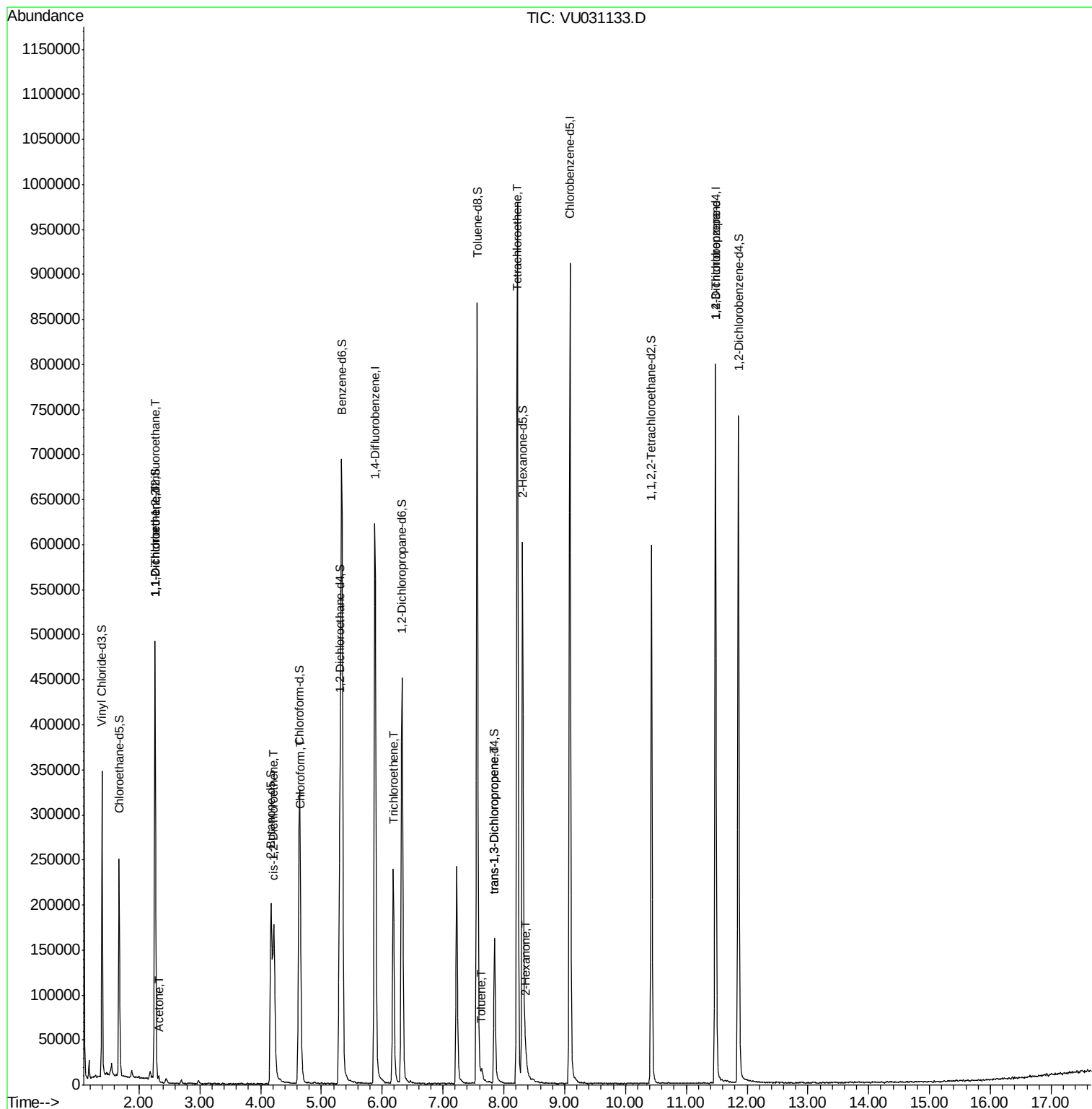
					Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	2851	0.762 ug/L #	20
12) 1,1-Dichloroethene	2.27	96	2677	0.741 ug/L #	1
13) Acetone	2.32	43	2602	0.688 ug/L	86
20) cis-1,2-Dichloroethene	4.22	96	88297	20.843 ug/L	90
25) Chloroform	4.66	83	15635	1.965 ug/L	97
34) Trichloroethene	6.18	95	89662	22.219 ug/L	97
42) Toluene	7.64	91	7306	0.435 ug/L	96
44) trans-1,3-Dichloropropene	7.85	75	3694	0.632 ug/L #	74
46) Tetrachloroethene	8.22	164	223113	76.049 ug/L	98
48) 2-Hexanone	8.36	43	5719	0.978 ug/L #	95
59) 1,2,3-Trichloropropane	11.48	75	24225	4.342 ug/L	94

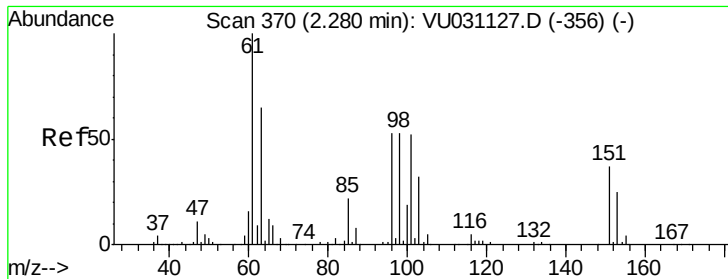
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Sat Apr 13 01:01:33 2019
Response via : Initial Calibration





#10

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

Concen: 0.762 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.01 min

Lab File: VU031133.D

Acq: 12 Apr 2019 17:04

Instrument :

MSVOA_U

ClientSampleId :

DB736DL

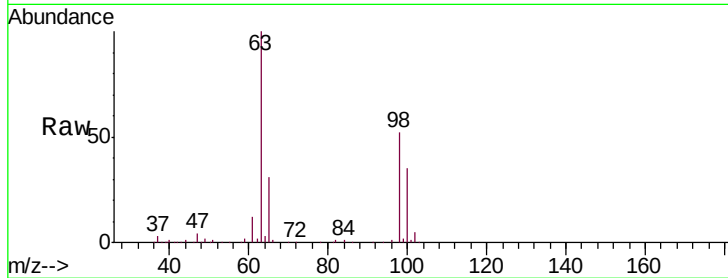
Tgt Ion: 101 Resp: 2851

Ion Ratio Lower Upper

101 100

85 0.0 36.8 55.2#

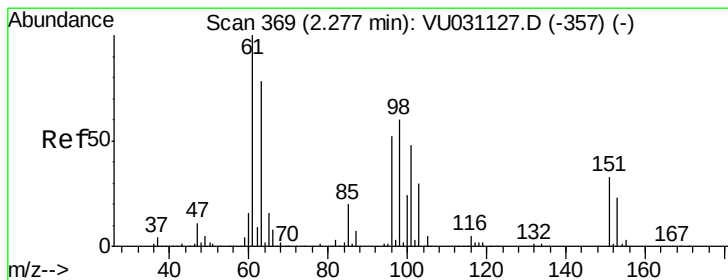
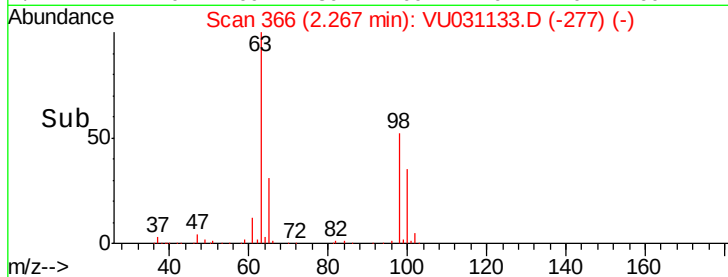
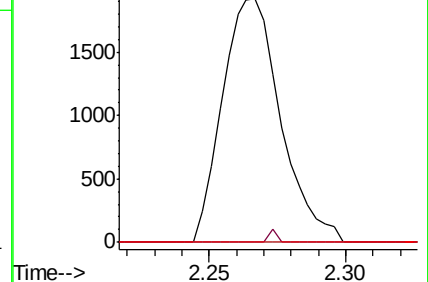
151 0.0 57.4 86.0#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 0.741 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.01 min

Lab File: VU031133.D

Acq: 12 Apr 2019 17:04

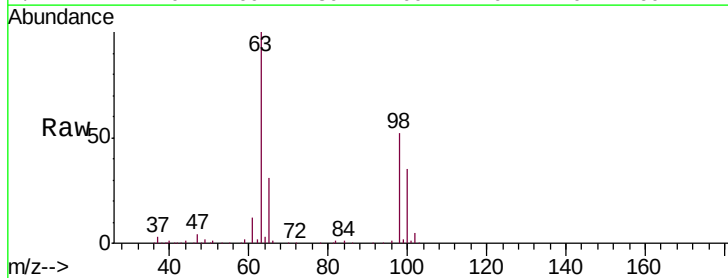
Tgt Ion: 96 Resp: 2677

Ion Ratio Lower Upper

96 100

61 1602.3 132.0 245.2#

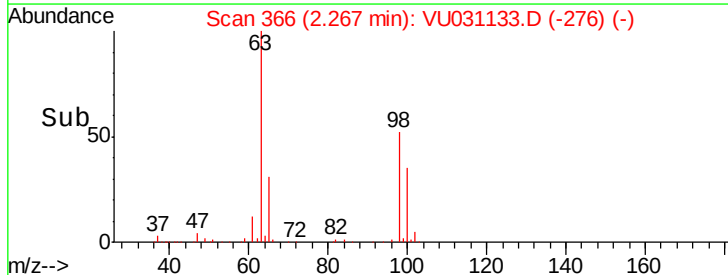
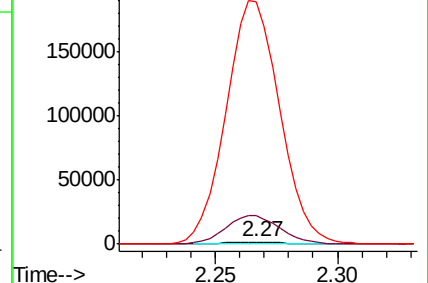
63 13726.3 90.9 168.9#

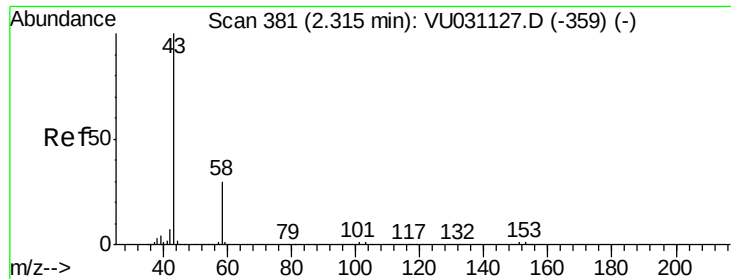


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0

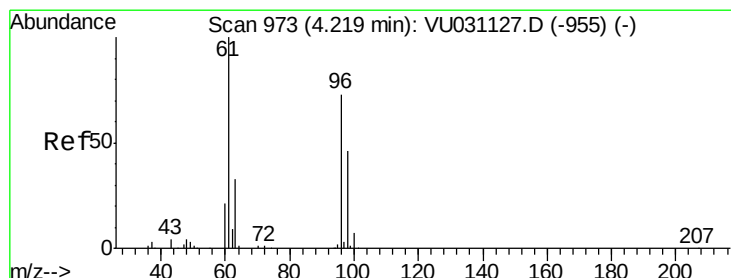
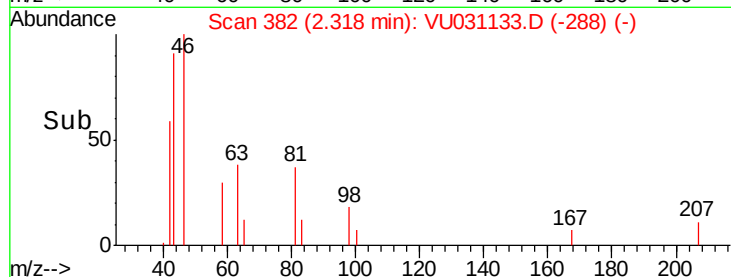
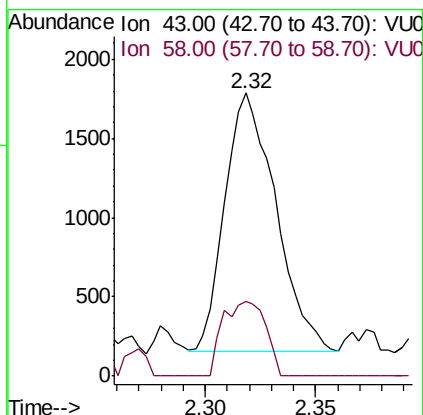
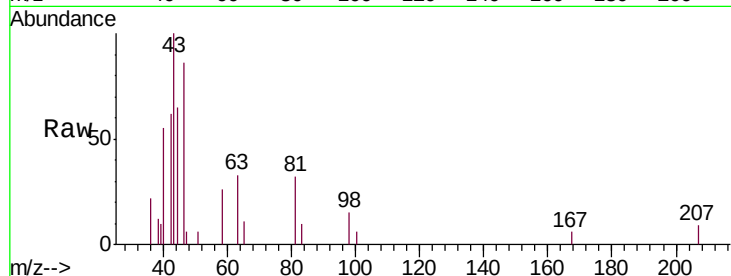




#13
Acetone
Concen: 0.688 ug/L
RT: 2.32 min Scan# 382
Delta R.T. 0.00 min
Lab File: VU031133.D
Acq: 12 Apr 2019 17:04

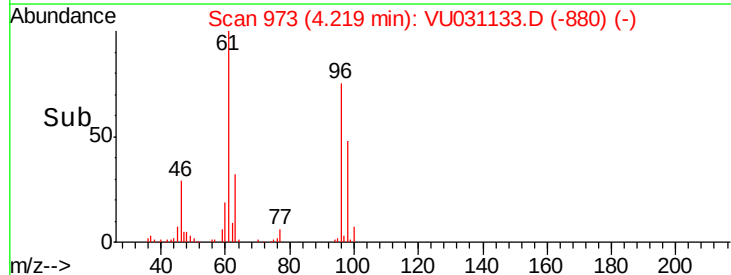
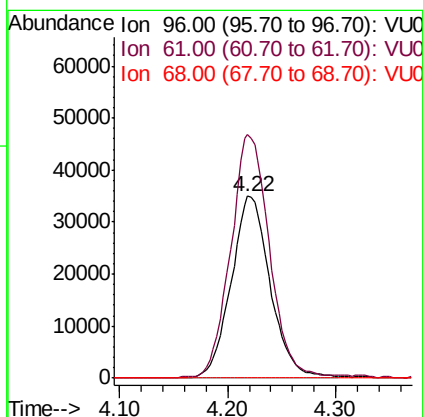
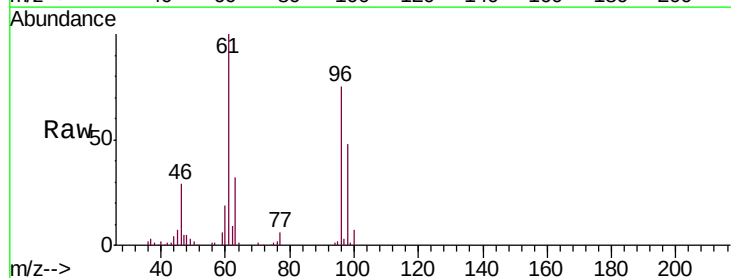
Instrument :
MSVOA_U
ClientSampleId :
DB736DL

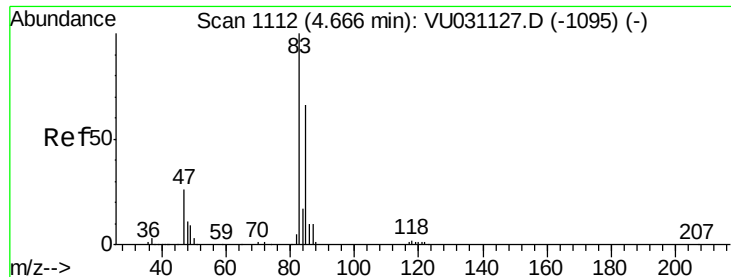
Tgt Ion: 43 Resp: 2602
Ion Ratio Lower Upper
43 100
58 24.3 0.0 64.0



#20
cis-1,2-Dichloroethene
Concen: 20.843 ug/L
RT: 4.22 min Scan# 973
Delta R.T. -0.00 min
Lab File: VU031133.D
Acq: 12 Apr 2019 17:04

Tgt Ion: 96 Resp: 88297
Ion Ratio Lower Upper
96 100
61 134.0 102.9 191.1
68 0.0 0.0 0.0





#25

Chloroform

Concen: 1.965 ug/L

RT: 4.66 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VU031133.D

Acq: 12 Apr 2019 17:04

Instrument :

MSVOA_U

ClientSampleId :

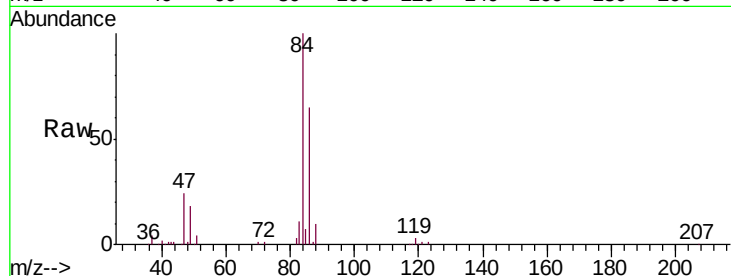
DB736DL

Tgt Ion: 83 Resp: 15635

Ion Ratio Lower Upper

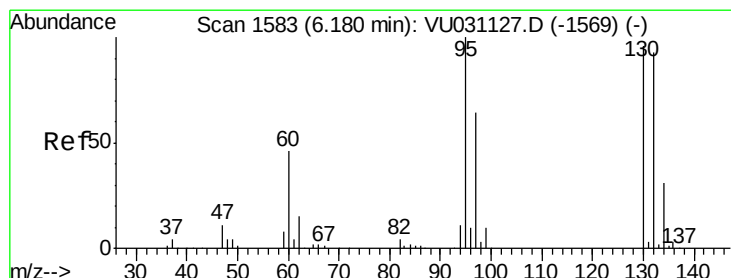
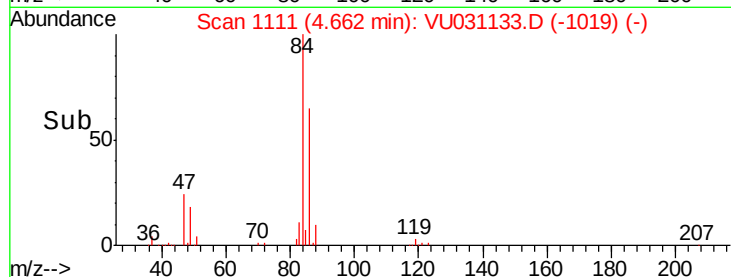
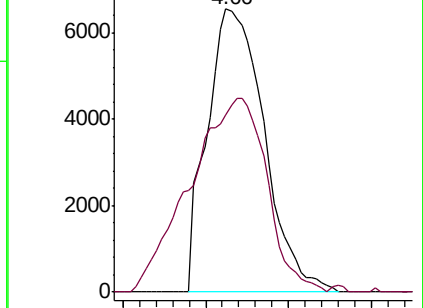
83 100

85 62.7 45.8 85.0



Abundance Ion 83.00 (82.70 to 83.70): VU031127.D (-1095) (-)

Ion 85.00 (84.70 to 85.70): VU031127.D (-1095) (-)



#34

Trichloroethene

Concen: 22.219 ug/L

RT: 6.18 min Scan# 1584

Delta R.T. 0.00 min

Lab File: VU031133.D

Acq: 12 Apr 2019 17:04

Tgt Ion: 95 Resp: 89662

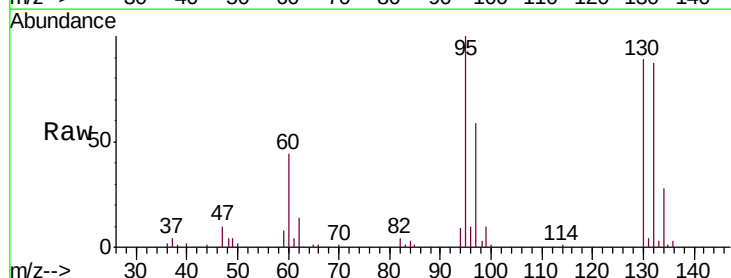
Ion Ratio Lower Upper

95 100

97 59.2 44.5 82.7

132 87.3 61.5 114.1

130 89.5 64.9 120.5

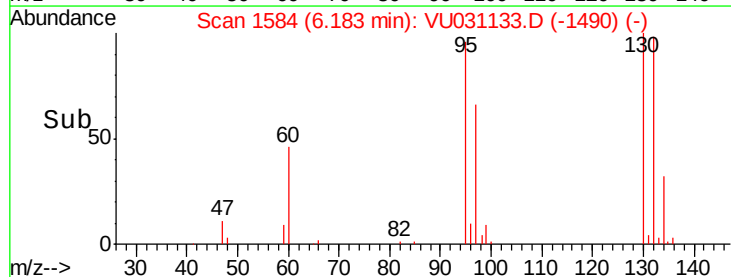
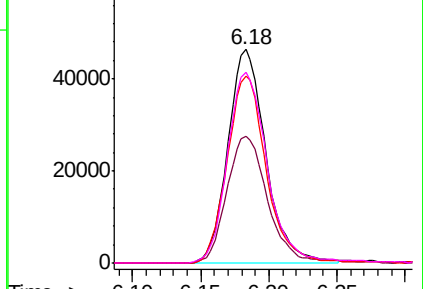


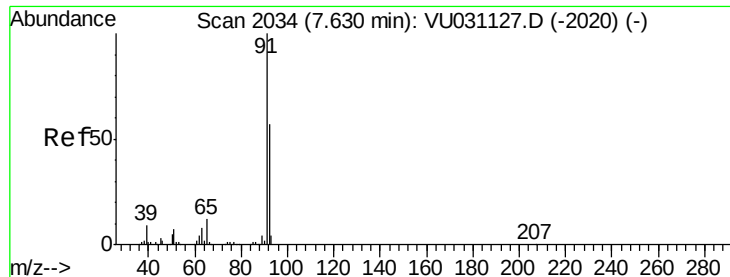
Abundance Ion 95.00 (94.70 to 95.70): VU031127.D (-1569) (-)

Ion 97.00 (96.70 to 97.70): VU031127.D (-1569) (-)

Ion 132.00 (131.70 to 132.70): VU031127.D (-1569) (-)

Ion 130.00 (129.70 to 130.70): VU031127.D (-1569) (-)





#42

Toluene

Concen: 0.435 ug/L

RT: 7.64 min Scan# 2038

Delta R.T. 0.01 min

Lab File: VU031133.D

Acq: 12 Apr 2019 17:04

Instrument :

MSVOA_U

ClientSampleId :

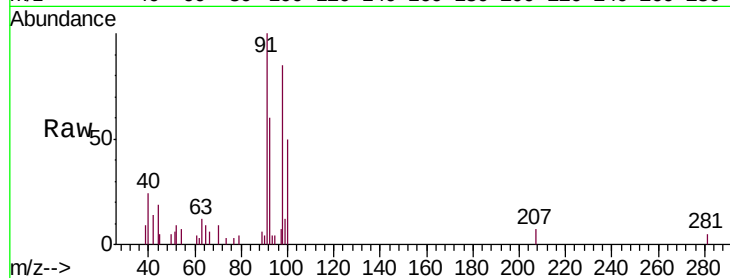
DB736DL

Tgt Ion: 91 Resp: 7306

Ion Ratio Lower Upper

91 100

92 60.0 40.0 74.4



Abundance Ion 91.00 (90.70 to 91.70): VU031127.D (-2020) (-)

Ion 92.00 (91.70 to 92.70): VU031127.D (-2020) (-)

7.64

4000

3000

2000

1000

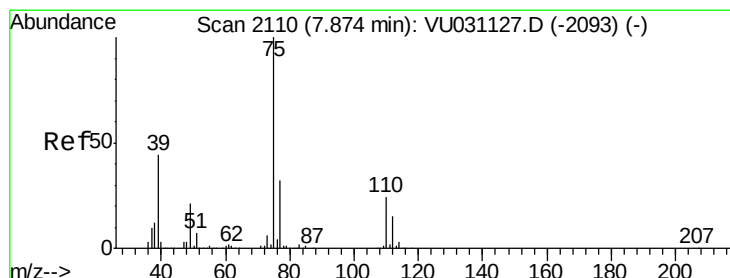
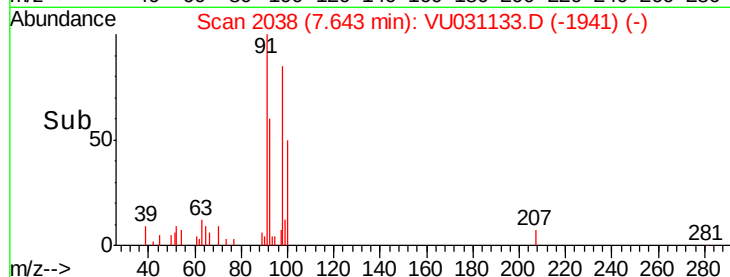
0

Time-->

7.60

7.65

7.70



#44

trans-1,3-Dichloropropene

Concen: 0.632 ug/L

RT: 7.85 min Scan# 2102

Delta R.T. -0.03 min

Lab File: VU031133.D

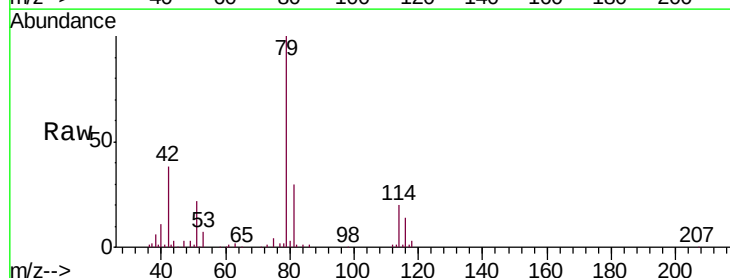
Acq: 12 Apr 2019 17:04

Tgt Ion: 75 Resp: 3694

Ion Ratio Lower Upper

75 100

77 44.9 21.6 40.0#



Abundance Ion 75.00 (74.70 to 75.70): VU031127.D (-2093) (-)

Ion 77.00 (76.70 to 77.70): VU031127.D (-2093) (-)

2500

2000

1500

1000

500

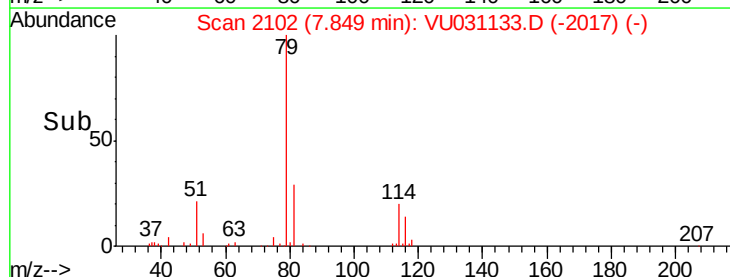
0

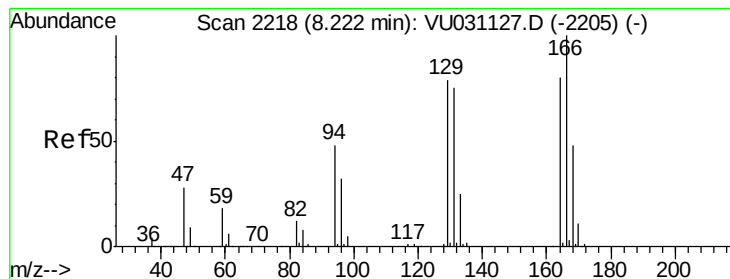
Time-->

7.80

7.85

7.90





#46

Tetrachloroethene

Concen: 76.049 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. -0.00 min

Lab File: VU031133.D

Acq: 12 Apr 2019 17:04

Instrument :

MSVOA_U

ClientSampleId :

DB736DL

Tgt Ion:164 Resp: 223113

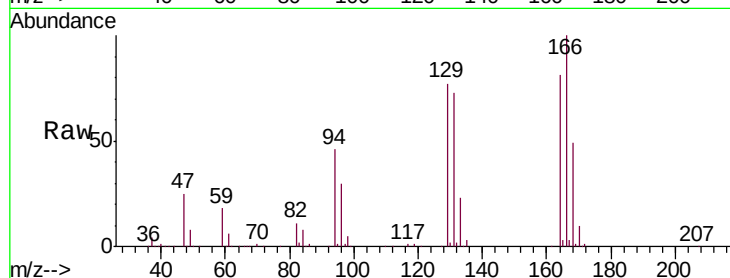
Ion Ratio Lower Upper

164 100

129 95.8 67.4 125.2

131 90.6 65.9 122.5

166 124.2 88.6 164.6



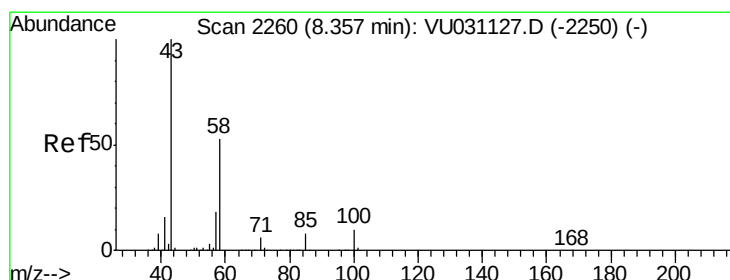
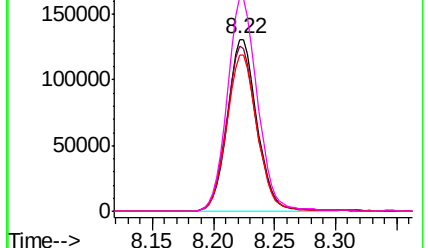
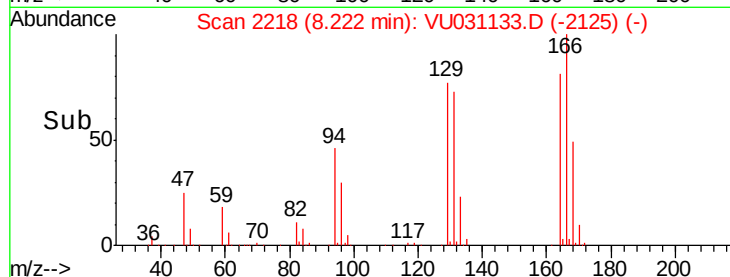
Abundance Ion 164.00 (163.70 to 164.70): V

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

Time-->



#48

2-Hexanone

Concen: 0.978 ug/L

RT: 8.36 min Scan# 2262

Delta R.T. 0.01 min

Lab File: VU031133.D

Acq: 12 Apr 2019 17:04

Tgt Ion: 43 Resp: 5719

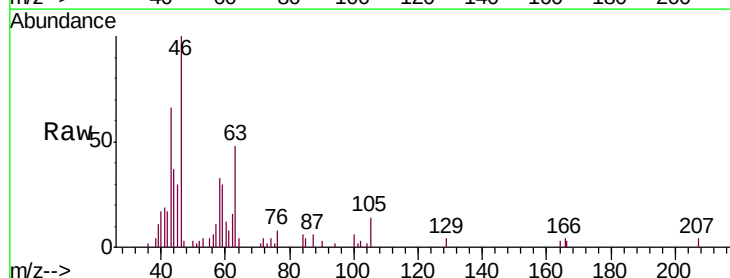
Ion Ratio Lower Upper

43 100

58 54.0 41.9 62.9

57 20.4 14.3 21.5

100 3.2 7.1 10.7#



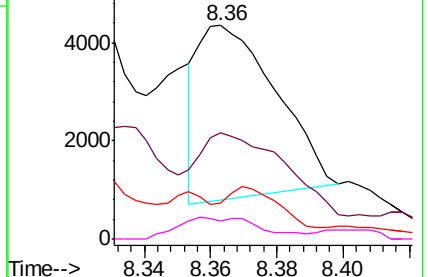
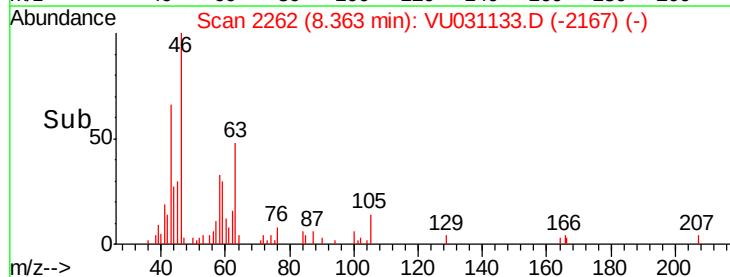
Abundance Ion 43.00 (42.70 to 43.70): VU0

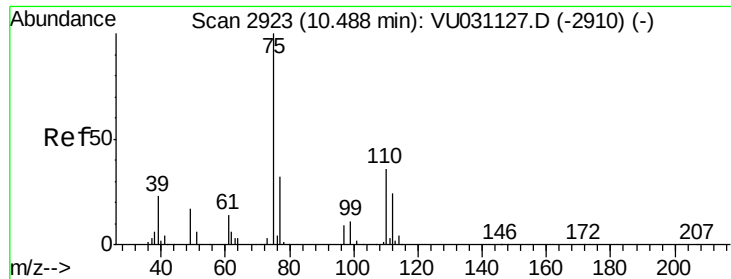
Ion 58.00 (57.70 to 58.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

Ion 100.00 (99.70 to 100.70): VU0

Time-->





#59

1,2,3-Trichloropropane

Concen: 4.342 ug/L

RT: 11.48 min Scan# 3231

Delta R.T. 0.99 min

Lab File: VU031133.D

Acq: 12 Apr 2019 17:04

Instrument :

MSVOA_U

ClientSampleId :

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Tgt Ion: 75 Resp: 24225

Ion Ratio Lower Upper

75 100

77 36.0 26.1 39.1

