

Data File : VU031115.D
Acq On : 12 Apr 2019 09:24
Operator : JC/SP
Sample : K2341-16
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 107 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DB738

Quant Time: Apr 12 23:25:20 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Apr 12 23:21:49 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	514287	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	503480	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	205154	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	155928	33.96	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	67.92%
7) Chloroethane-d5	1.68	69	140164	40.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	80.46%
11) 1,1-Dichloroethene-d2	2.27	63	228622	27.53	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	55.06%#
21) 2-Butanone-d5	4.17	46	324396	89.16	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	89.16%
24) Chloroform-d	4.64	84	316787	45.17	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.34%
26) 1,2-Dichloroethane-d4	5.31	65	213100	44.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.06%
32) Benzene-d6	5.34	84	604362	41.12	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	82.24%
36) 1,2-Dichloropropane-d6	6.33	67	217938	43.27	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	86.54%
41) Toluene-d8	7.56	98	514237	39.47	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	78.94%#
43) trans-1,3-Dichloropropene-	7.85	79	87375	38.04	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	76.08%
47) 2-Hexanone-d5	8.31	63	187205	81.32	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	81.32%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	309608	45.57	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	91.14%
64) 1,2-Dichlorobenzene-d4	11.86	152	202451	50.18	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.36%

Target Compounds

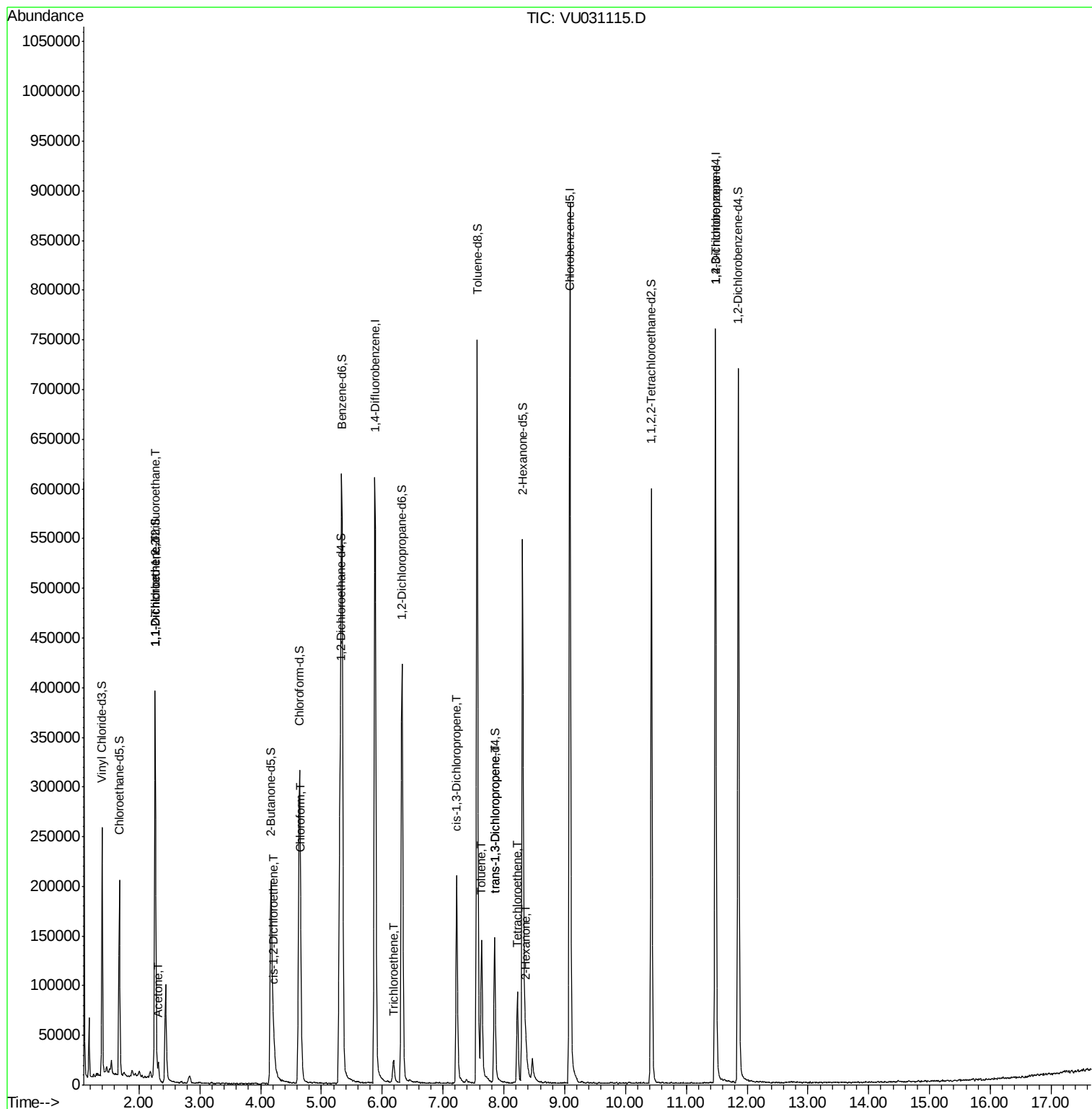
						Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	2308	0.627	ug/L #	20
12) 1,1-Dichloroethene	2.27	96	1961	0.552	ug/L #	1
13) Acetone	2.32	43	19110	5.133	ug/L	99
20) cis-1,2-Dichloroethene	4.22	96	10581	2.539	ug/L	87
25) Chloroform	4.67	83	21040	2.687	ug/L	94
34) Trichloroethene	6.19	95	7992	1.978	ug/L	87
39) cis-1,3-Dichloropropene	7.22	75	4621	0.696	ug/L #	68
42) Toluene	7.63	91	103989	6.183	ug/L	99
44) trans-1,3-Dichloropropene	7.85	75	3308	0.565	ug/L	90
46) Tetrachloroethene	8.22	164	21374	7.275	ug/L	98
48) 2-Hexanone	8.36	43	16647	2.844	ug/L #	83
59) 1,2,3-Trichloropropane	11.48	75	24746	4.429	ug/L #	86

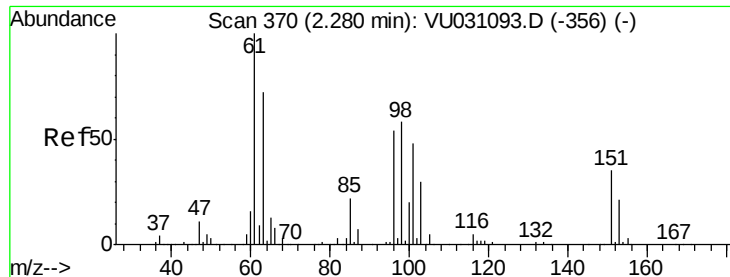
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.627 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.01 min

Lab File: VU031115.D

Acq: 12 Apr 2019 09:24

Instrument :

MSVOA_U

ClientSampleId :

DB738

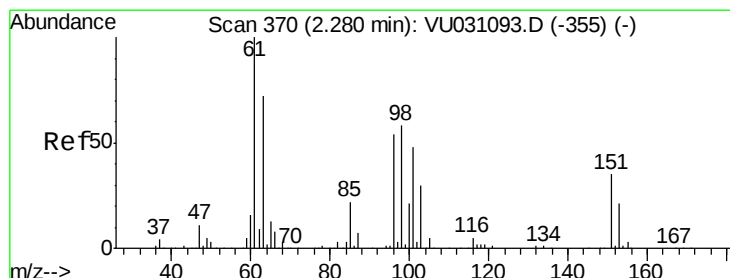
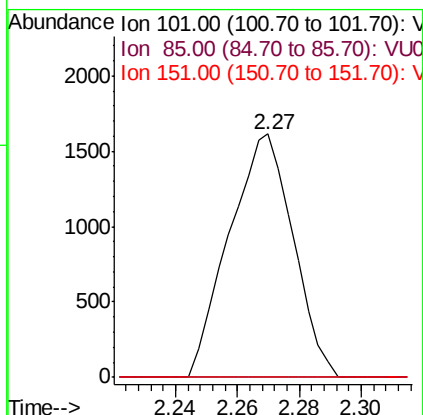
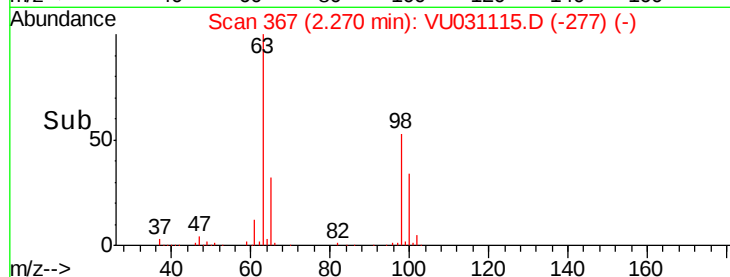
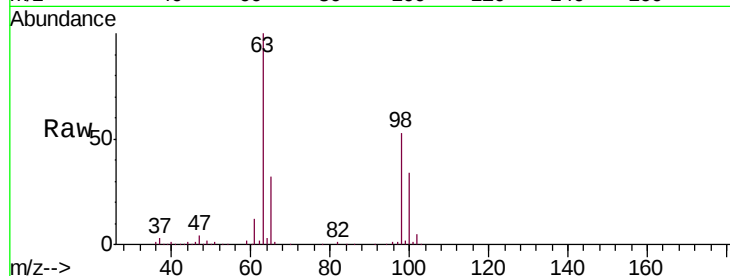
Tgt Ion:101 Resp: 2308

Ion Ratio Lower Upper

101 100

85 0.0 36.8 55.2#

151 0.0 57.4 86.0#



#12

1,1-Dichloroethene

Concen: 0.552 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.01 min

Lab File: VU031115.D

Acq: 12 Apr 2019 09:24

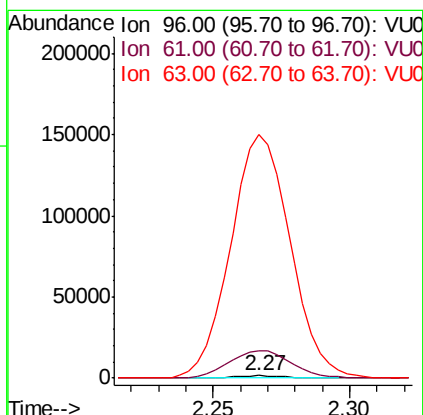
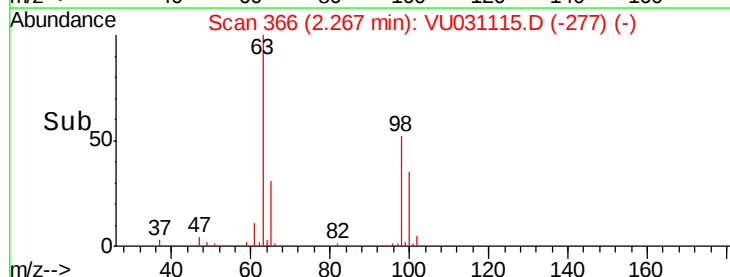
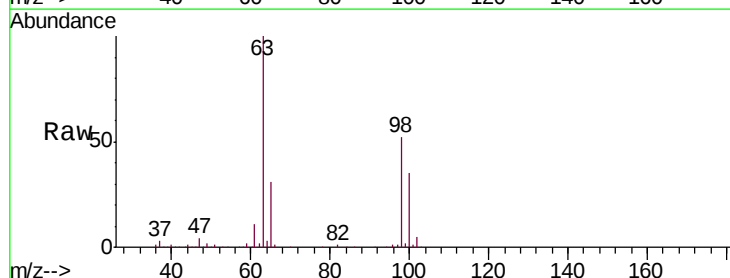
Tgt Ion: 96 Resp: 1961

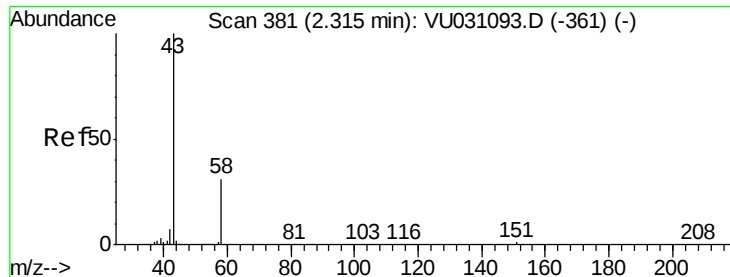
Ion Ratio Lower Upper

96 100

61 1169.0 132.0 245.2#

63 10191.3 90.9 168.9#





#13

Acetone

Concen: 5.133 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VU031115.D

Acq: 12 Apr 2019 09:24

Instrument :

MSVOA_U

ClientSampled :

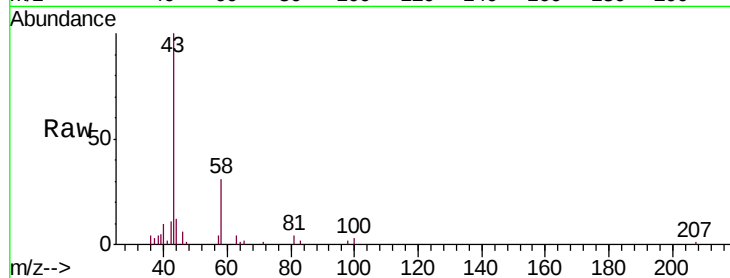
DB738

Tgt Ion: 43 Resp: 19110

Ion Ratio Lower Upper

43 100

58 31.5 0.0 64.0



Abundance Ion 43.00 (42.70 to 43.70): VU031093.D (-361) (-)

Ion 58.00 (57.70 to 58.70): VU031093.D (-361) (-)

2.32

12000

10000

8000

6000

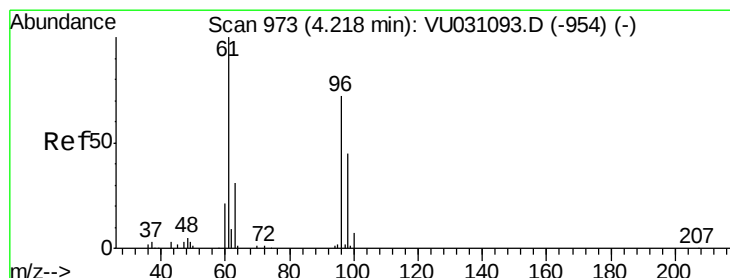
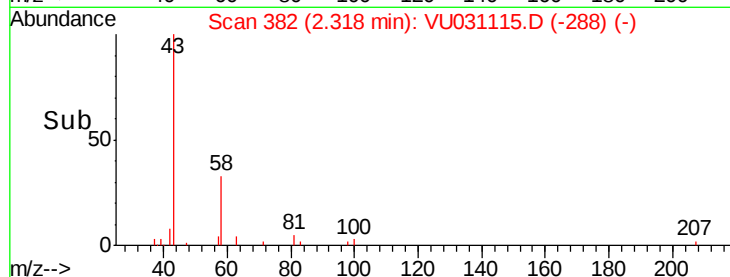
4000

2000

0

Time-->

2.25 2.30 2.35 2.40



#20

cis-1,2-Dichloroethene

Concen: 2.539 ug/L

RT: 4.22 min Scan# 975

Delta R.T. 0.01 min

Lab File: VU031115.D

Acq: 12 Apr 2019 09:24

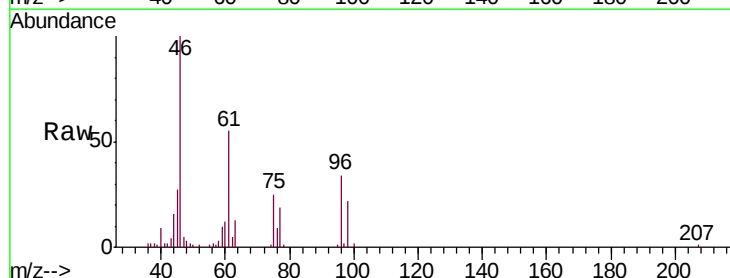
Tgt Ion: 96 Resp: 10581

Ion Ratio Lower Upper

96 100

61 162.8 102.9 191.1

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU031093.D (-954) (-)

Ion 61.00 (60.70 to 61.70): VU031093.D (-954) (-)

Ion 68.00 (67.70 to 68.70): VU031093.D (-954) (-)

8000

6000

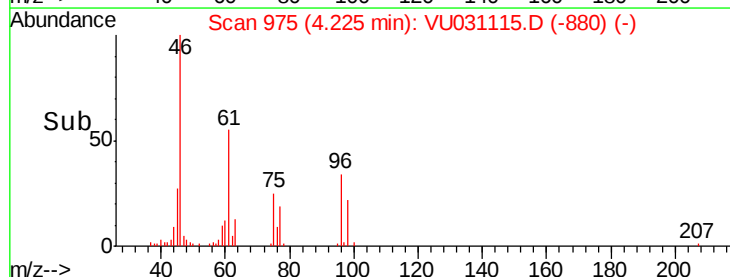
4000

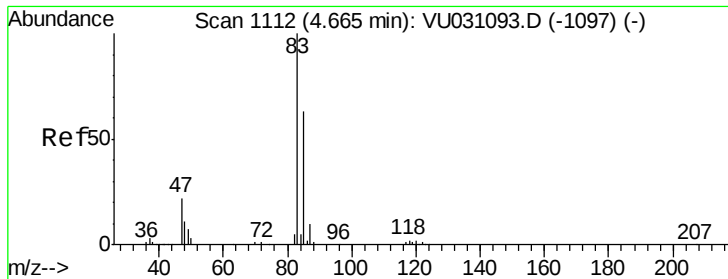
2000

0

Time-->

4.15 4.20 4.25 4.30





#25

Chloroform

Concen: 2.687 ug/L

RT: 4.67 min Scan# 1113

Delta R.T. 0.00 min

Lab File: VU031115.D

Acq: 12 Apr 2019 09:24

Instrument :

MSVOA_U

ClientSampleId :

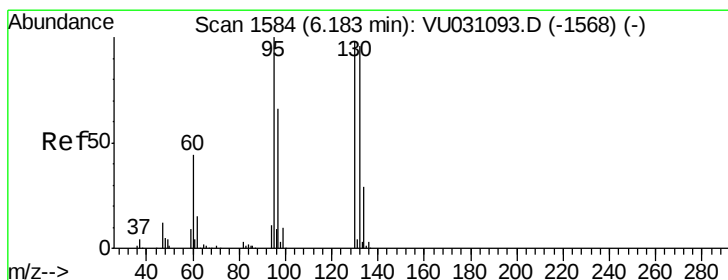
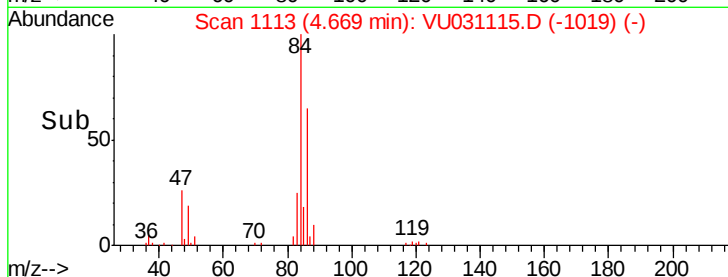
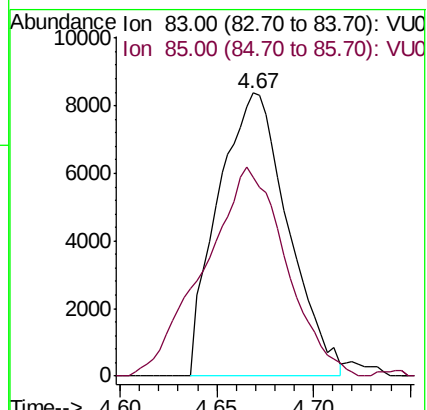
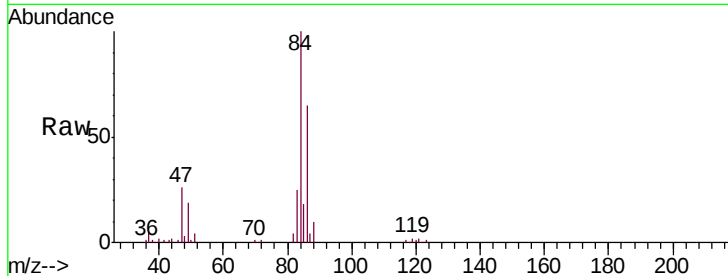
DB738

Tgt Ion: 83 Resp: 21040

Ion Ratio Lower Upper

83 100

85 70.3 45.8 85.0



#34

Trichloroethene

Concen: 1.978 ug/L

RT: 6.19 min Scan# 1586

Delta R.T. 0.01 min

Lab File: VU031115.D

Acq: 12 Apr 2019 09:24

Tgt Ion: 95 Resp: 7992

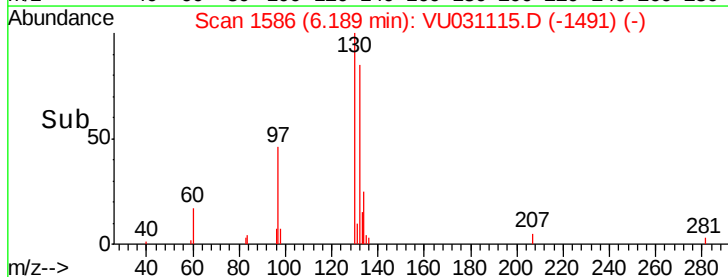
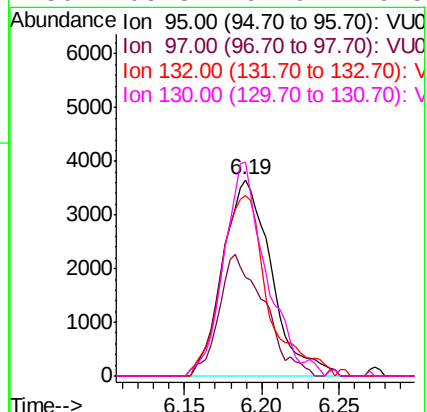
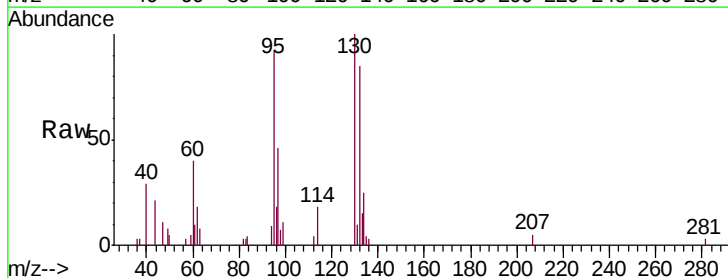
Ion Ratio Lower Upper

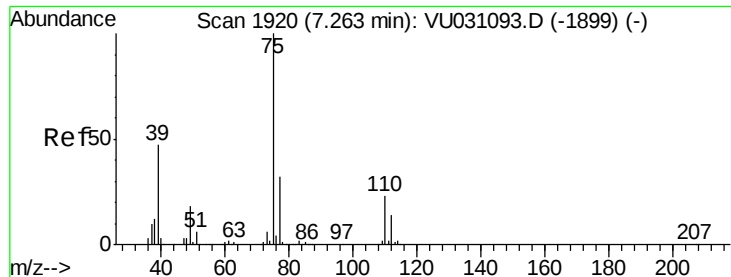
95 100

97 50.0 44.5 82.7

132 92.2 61.5 114.1

130 108.8 64.9 120.5

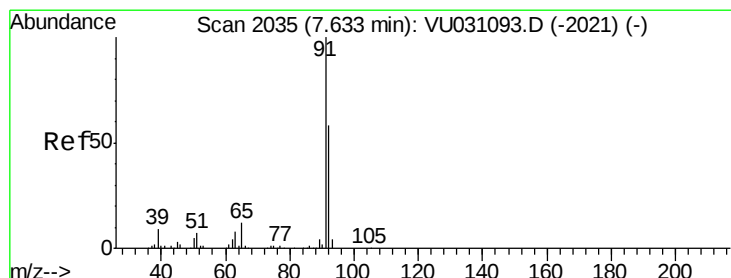
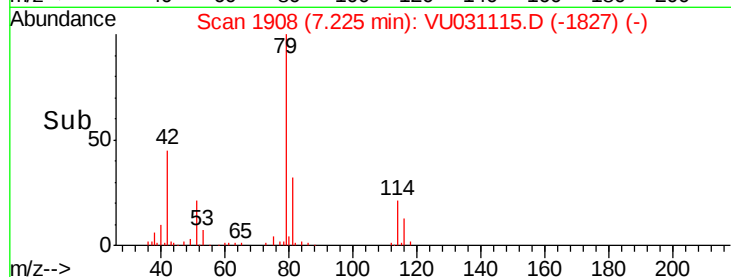
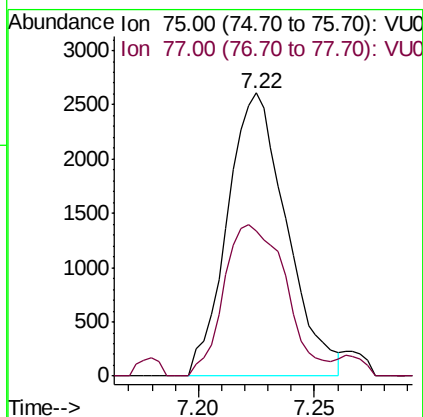
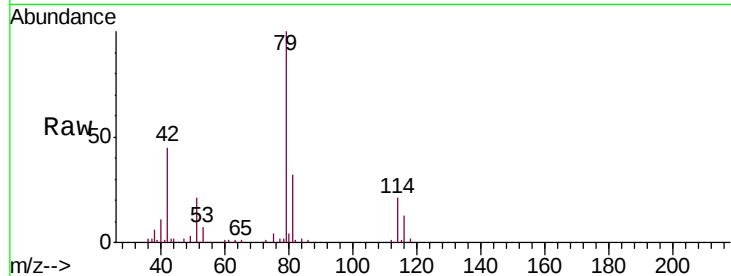




#39
 cis-1,3-Dichloropropene
 Concen: 0.696 ug/L
 RT: 7.22 min Scan# 1908
 Delta R.T. -0.04 min
 Lab File: VU031115.D
 Acq: 12 Apr 2019 09:24

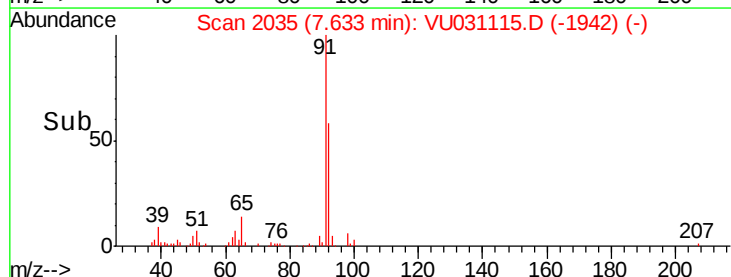
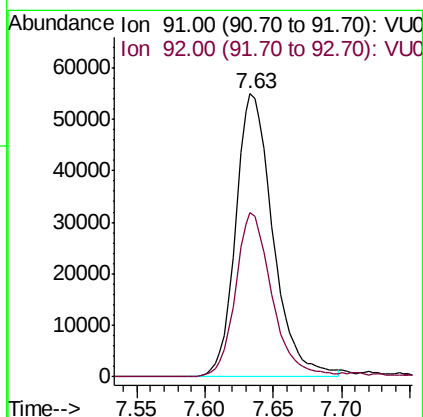
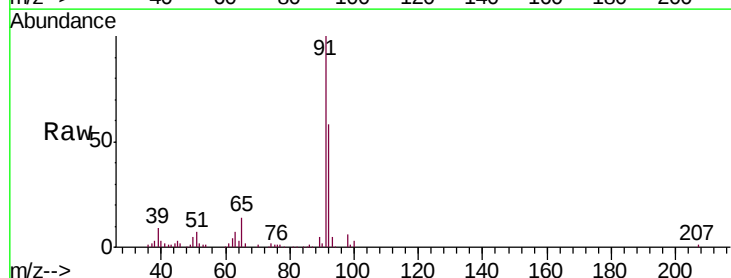
Instrument :
 MSVOA_U
 ClientSampleId :
 DB738

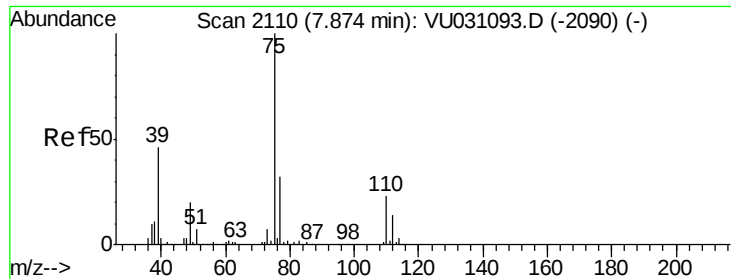
Tgt Ion: 75 Resp: 4621
 Ion Ratio Lower Upper
 75 100
 77 51.3 23.1 42.9#



#42
 Toluene
 Concen: 6.183 ug/L
 RT: 7.63 min Scan# 2035
 Delta R.T. 0.00 min
 Lab File: VU031115.D
 Acq: 12 Apr 2019 09:24

Tgt Ion: 91 Resp: 103989
 Ion Ratio Lower Upper
 91 100
 92 58.1 40.0 74.4





#44

trans-1,3-Dichloropropene

Concen: 0.565 ug/L

RT: 7.85 min Scan# 2103

Delta R.T. -0.02 min

Lab File: VU031115.D

Acq: 12 Apr 2019 09:24

Instrument :

MSVOA_U

ClientSampleId :

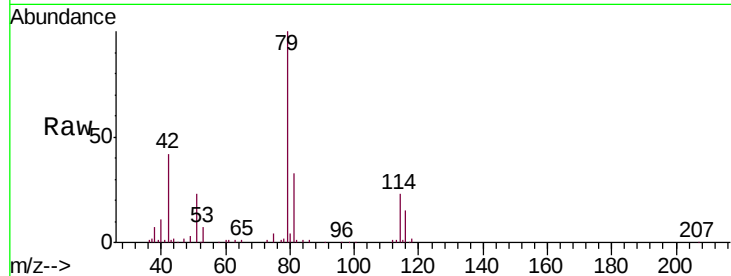
DB738

Tgt Ion: 75 Resp: 3308

Ion Ratio Lower Upper

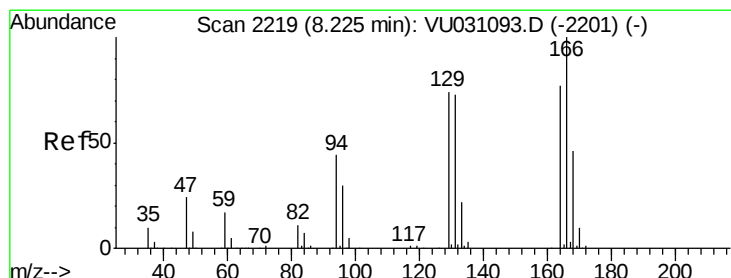
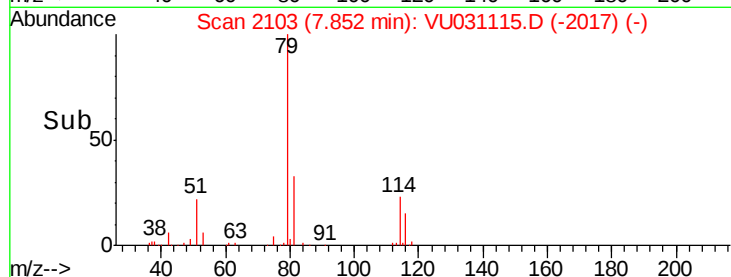
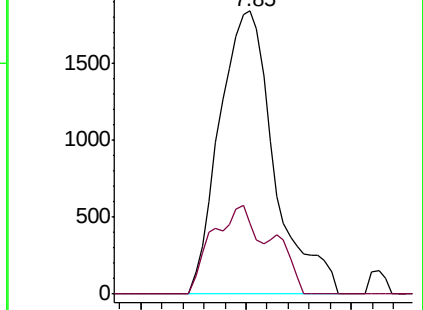
75 100

77 25.1 21.6 40.0



Abundance Ion 75.00 (74.70 to 75.70): VU031115.D (-2103) (-)

Ion 77.00 (76.70 to 77.70): VU031115.D (-2103) (-)



#46

Tetrachloroethene

Concen: 7.275 ug/L

RT: 8.22 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VU031115.D

Acq: 12 Apr 2019 09:24

Tgt Ion: 164 Resp: 21374

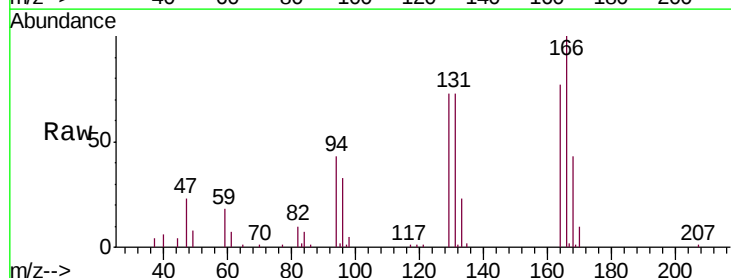
Ion Ratio Lower Upper

164 100

129 95.9 67.4 125.2

131 95.2 65.9 122.5

166 130.5 88.6 164.6

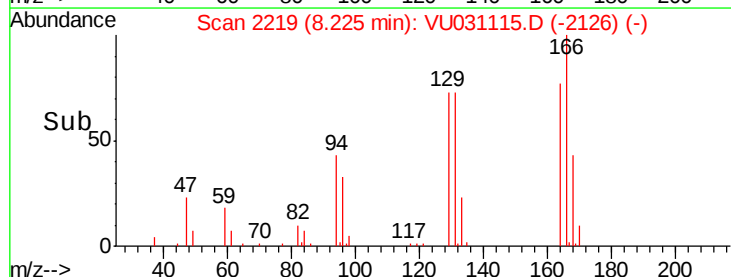
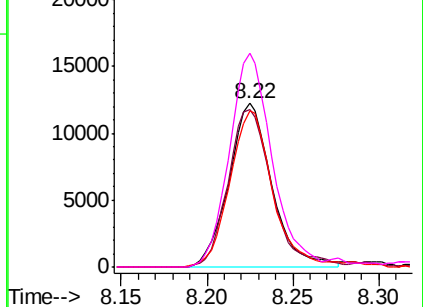


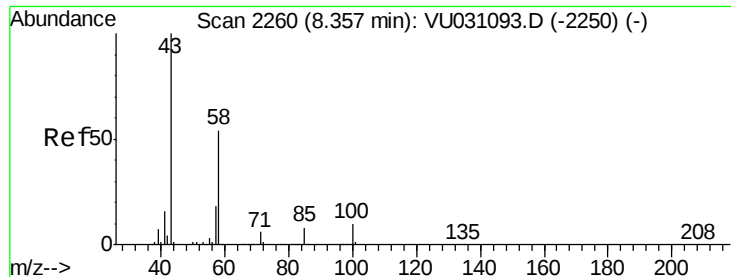
Abundance Ion 164.00 (163.70 to 164.70): VU031115.D (-2219) (-)

Ion 129.00 (128.70 to 129.70): VU031115.D (-2219) (-)

Ion 131.00 (130.70 to 131.70): VU031115.D (-2219) (-)

Ion 166.00 (165.70 to 166.70): VU031115.D (-2219) (-)

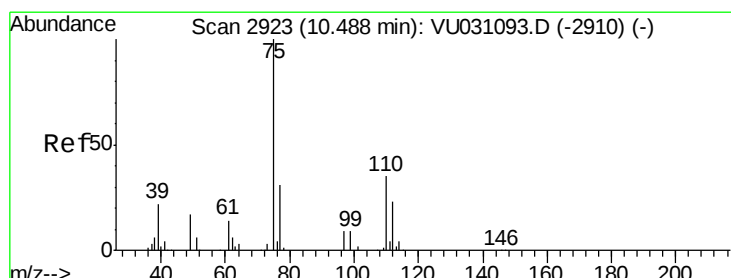
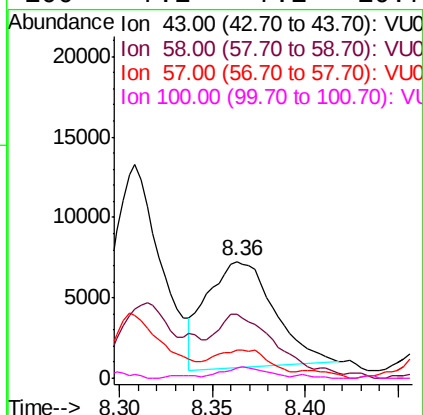
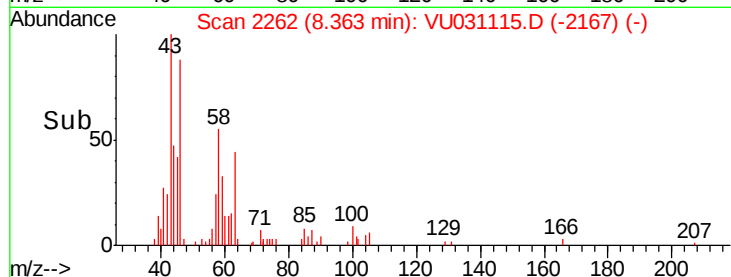
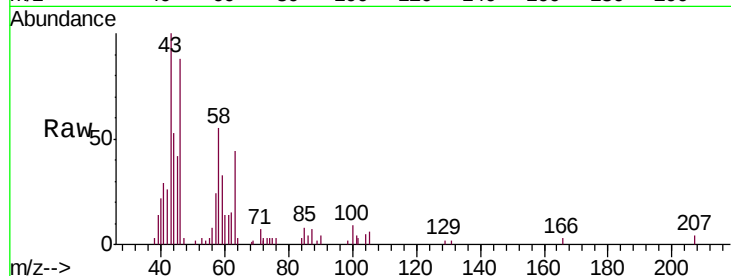




#48
2-Hexanone
Concen: 2.844 ug/L
RT: 8.36 min Scan# 2262
Delta R.T. 0.01 min
Lab File: VU031115.D
Acq: 12 Apr 2019 09:24

Instrument :
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Tgt Ion: 43 Resp: 16647
Ion Ratio Lower Upper
43 100
58 42.4 41.9 62.9
57 5.0 14.3 21.5#
100 7.1 7.1 10.7#



#59
1,2,3-Trichloropropane
Concen: 4.429 ug/L
RT: 11.48 min Scan# 3232
Delta R.T. 0.99 min
Lab File: VU031115.D
Acq: 12 Apr 2019 09:24

Tgt Ion: 75 Resp: 24746
Ion Ratio Lower Upper
75 100
77 40.2 26.1 39.1#

