

Data File : VU031189.D
Acq On : 14 Apr 2019 04:45
Operator : JC/SP
Sample : K2409-03
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFC24

Quant Time: Apr 15 01:43:06 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Apr 15 01:39:53 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	386768	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	367623	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	166600	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	193790	56.13	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	112.26%
7) Chloroethane-d5	1.67	69	184528	70.42	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	140.84%#
11) 1,1-Dichloroethene-d2	2.27	63	288758	46.24	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.48%
21) 2-Butanone-d5	4.17	46	264839	96.78	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	96.78%
24) Chloroform-d	4.64	84	270392	51.27	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.54%
26) 1,2-Dichloroethane-d4	5.30	65	189331	52.61	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.22%
32) Benzene-d6	5.33	84	515438	48.03	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.06%
36) 1,2-Dichloropropane-d6	6.32	67	180156	48.98	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.96%
41) Toluene-d8	7.56	98	411771	43.29	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.58%
43) trans-1,3-Dichloropropene-	7.85	79	66721	39.78	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	79.56%
47) 2-Hexanone-d5	8.31	63	153317	91.21	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	91.21%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	257749	51.95	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	103.90%
64) 1,2-Dichlorobenzene-d4	11.86	152	168816	51.52	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.04%

Target Compounds

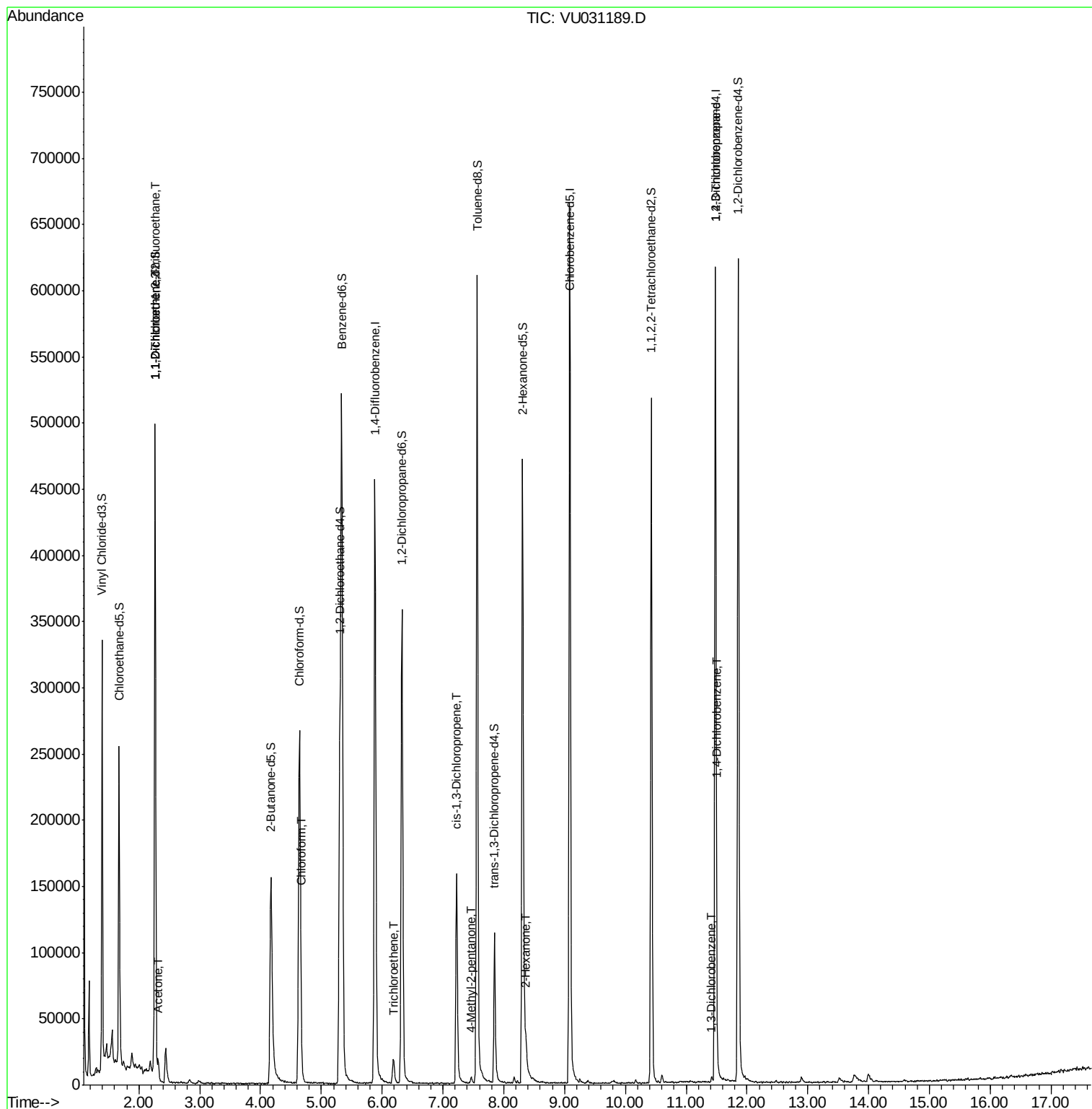
						Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.26	101	2732	0.986	ug/L #	21
12) 1,1-Dichloroethene	2.27	96	2826	1.057	ug/L #	1
13) Acetone	2.31	43	13624	4.866	ug/L	99
25) Chloroform	4.67	83	4522	0.768	ug/L	85
34) Trichloroethene	6.18	95	4394	1.489	ug/L	92
39) cis-1,3-Dichloropropene	7.22	75	3667	0.756	ug/L #	42
40) 4-Methyl-2-pentanone	7.47	43	3005	0.549	ug/L #	77
48) 2-Hexanone	8.37	43	11587	2.711	ug/L #	87
59) 1,2,3-Trichloropropane	11.48	75	20872	5.116	ug/L	92
62) 1,3-Dichlorobenzene	11.42	146	2481	0.471	ug/L #	76
63) 1,4-Dichlorobenzene	11.51	146	3394	0.634	ug/L	90

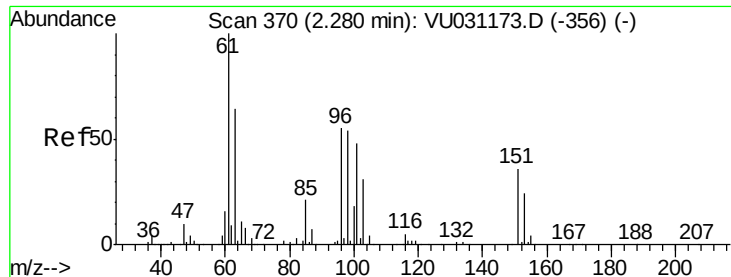
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#10

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

Concen: 0.986 ug/L

RT: 2.26 min Scan# 365

Delta R.T. -0.02 min

Lab File: VU031189.D

Acq: 14 Apr 2019 04:45

Instrument :

MSVOA_U

ClientSampleId :

BFC24

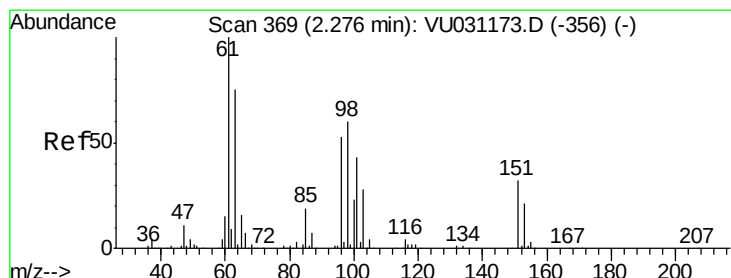
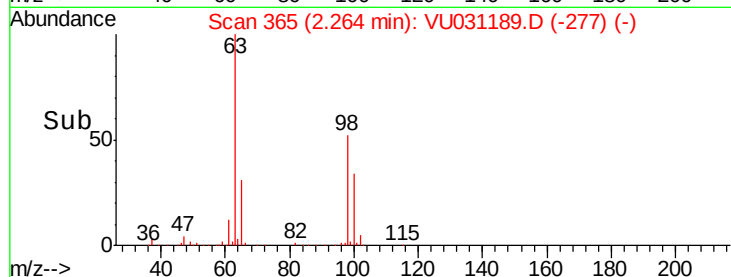
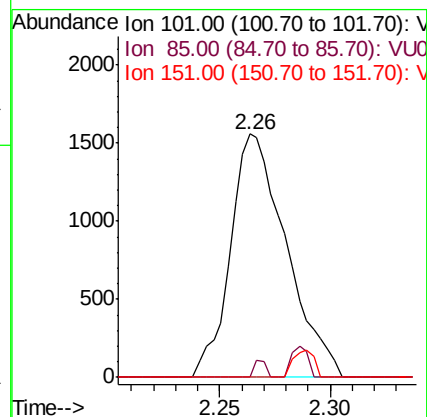
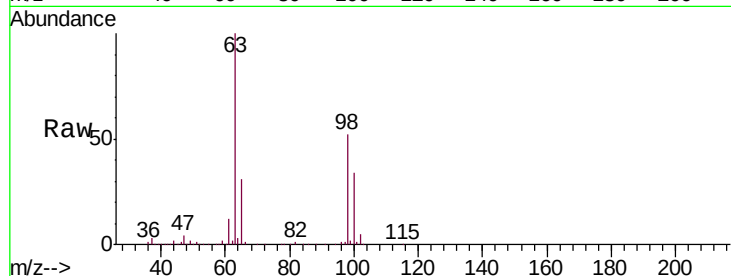
Tgt Ion: 101 Resp: 2732

Ion Ratio Lower Upper

101 100

85 1.5 36.8 55.2#

151 0.0 57.4 86.0#



#12

1,1-Dichloroethene

Concen: 1.057 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.01 min

Lab File: VU031189.D

Acq: 14 Apr 2019 04:45

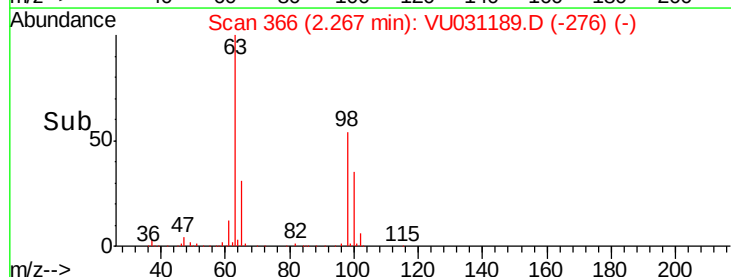
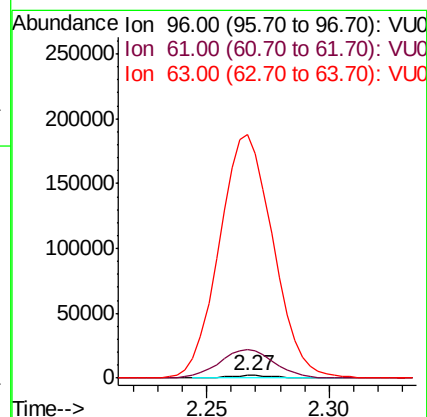
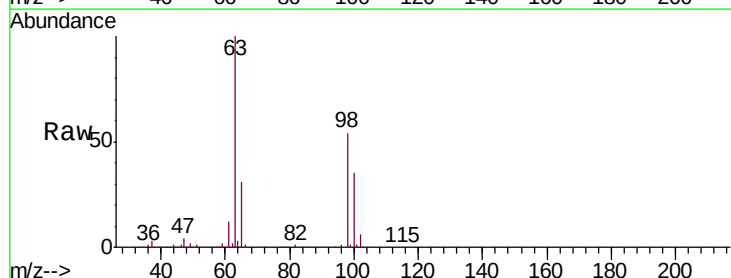
Tgt Ion: 96 Resp: 2826

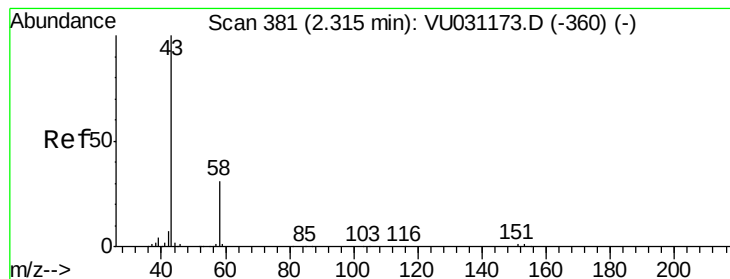
Ion Ratio Lower Upper

96 100

61 1112.0 132.0 245.2#

63 9498.0 90.9 168.9#





#13

Acetone

Concen: 4.866 ug/L

RT: 2.31 min Scan# 381

Delta R.T. -0.00 min

Lab File: VU031189.D

Acq: 14 Apr 2019 04:45

Instrument :

MSVOA_U

ClientSampleId :

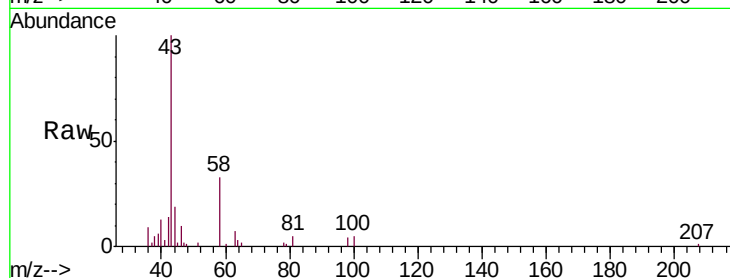
BFC24

Tgt Ion: 43 Resp: 13624

Ion Ratio Lower Upper

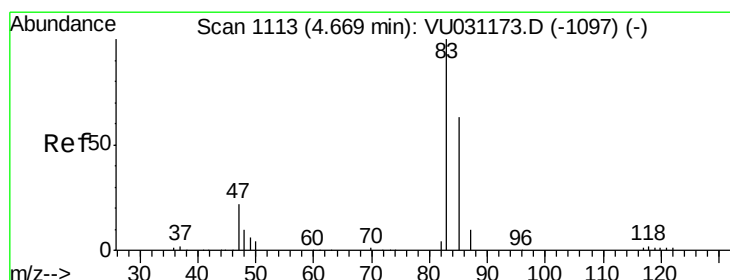
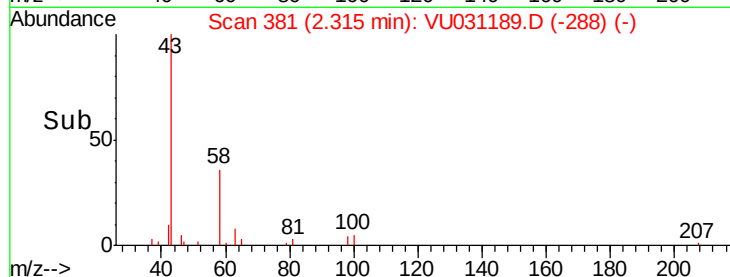
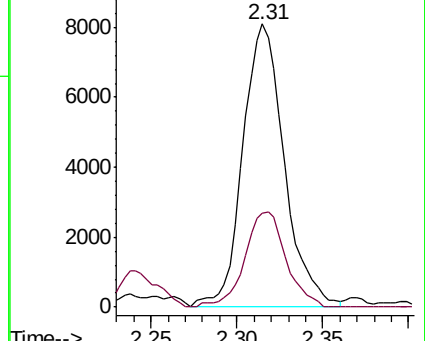
43 100

58 32.6 0.0 64.0



Abundance Ion 43.00 (42.70 to 43.70): VU031173.D (-360) (-)

Ion 58.00 (57.70 to 58.70): VU031173.D (-360) (-)



#25

Chloroform

Concen: 0.768 ug/L

RT: 4.67 min Scan# 1114

Delta R.T. 0.00 min

Lab File: VU031189.D

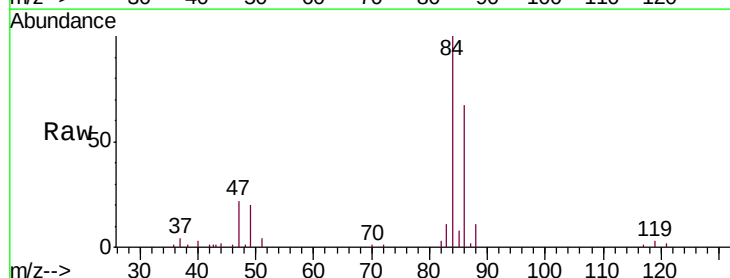
Acq: 14 Apr 2019 04:45

Tgt Ion: 83 Resp: 4522

Ion Ratio Lower Upper

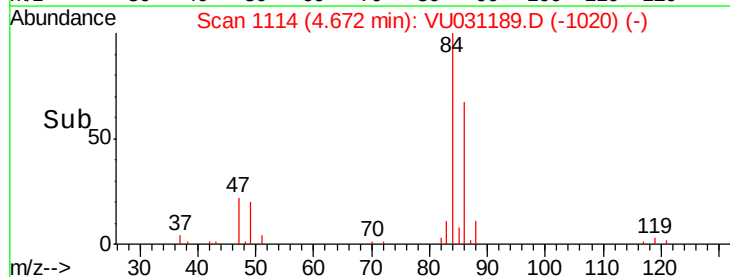
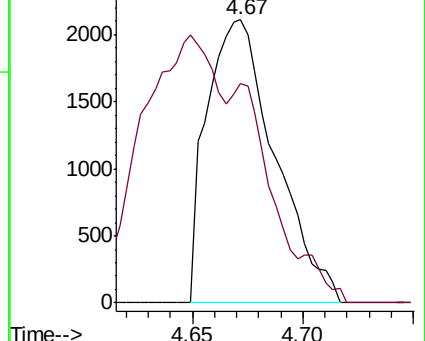
83 100

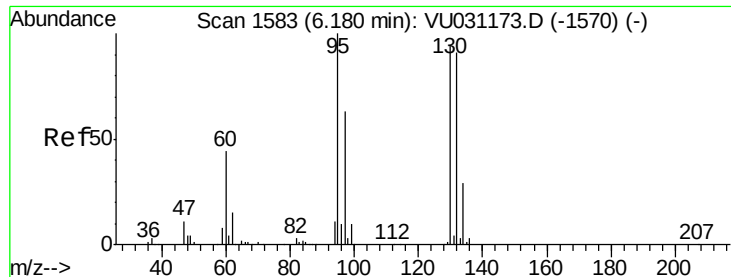
85 77.4 45.8 85.0



Abundance Ion 83.00 (82.70 to 83.70): VU031173.D (-1097) (-)

Ion 85.00 (84.70 to 85.70): VU031173.D (-1097) (-)





#34

Trichloroethene

Concen: 1.489 ug/L

RT: 6.18 min Scan# 1584

Delta R.T. 0.00 min

Lab File: VU031189.D

Acq: 14 Apr 2019 04:45

Instrument :

MSVOA_U

ClientSampled :

BFC24

Tgt Ion: 95 Resp: 4394

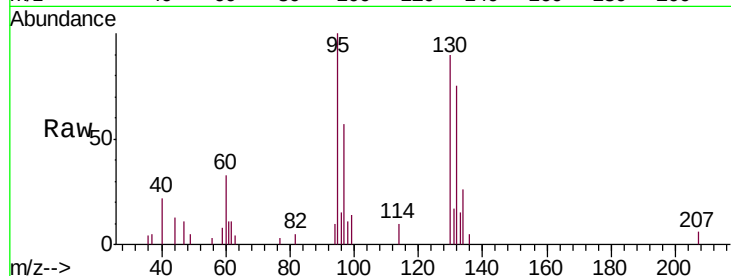
Ion Ratio Lower Upper

95 100

97 57.4 44.5 82.7

132 75.1 61.5 114.1

130 90.3 64.9 120.5



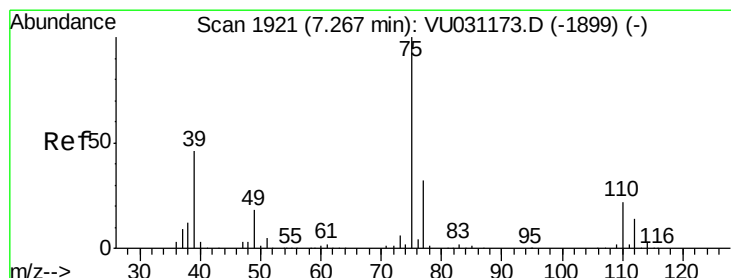
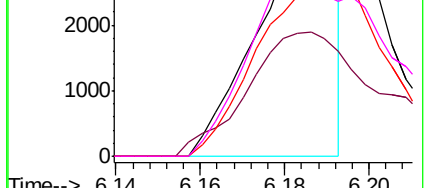
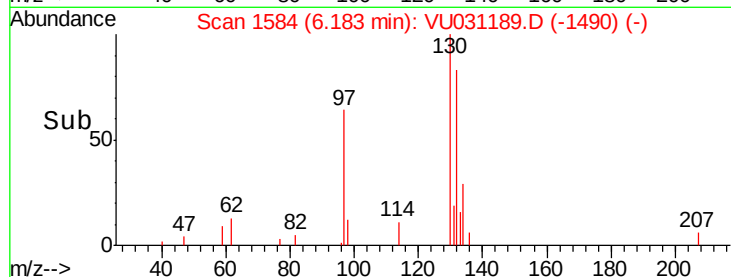
Abundance Ion 95.00 (94.70 to 95.70): VU031173.D (-1570) (-)

Ion 97.00 (96.70 to 97.70): VU031173.D (-1570) (-)

Ion 132.00 (131.70 to 132.70): VU031173.D (-1570) (-)

Ion 130.00 (129.70 to 130.70): VU031173.D (-1570) (-)

Time-->



#39

cis-1,3-Dichloropropene

Concen: 0.756 ug/L

RT: 7.22 min Scan# 1907

Delta R.T. -0.05 min

Lab File: VU031189.D

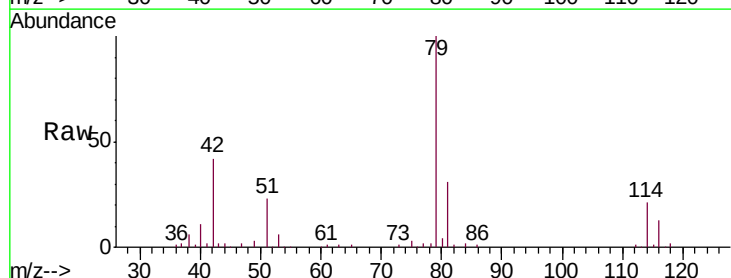
Acq: 14 Apr 2019 04:45

Tgt Ion: 75 Resp: 3667

Ion Ratio Lower Upper

75 100

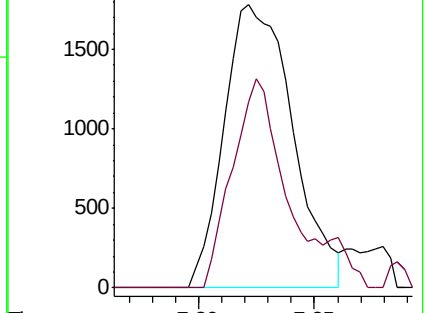
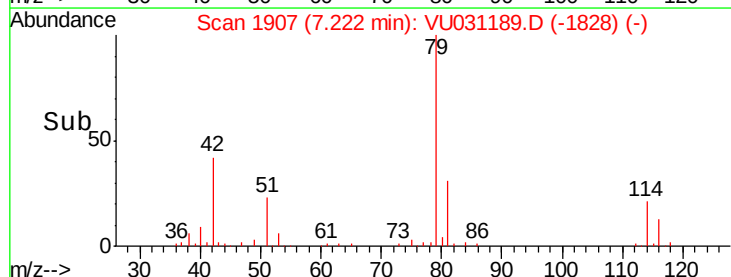
77 65.9 23.1 42.9#

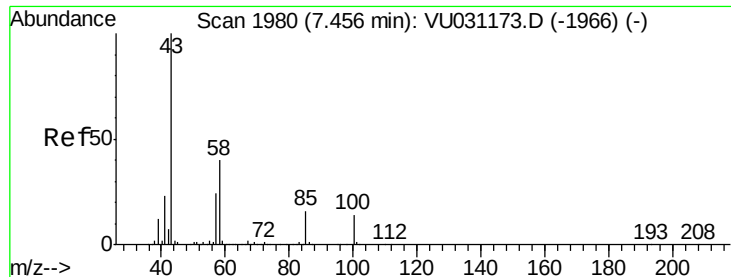


Abundance Ion 75.00 (74.70 to 75.70): VU031173.D (-1899) (-)

Ion 77.00 (76.70 to 77.70): VU031173.D (-1899) (-)

Time-->

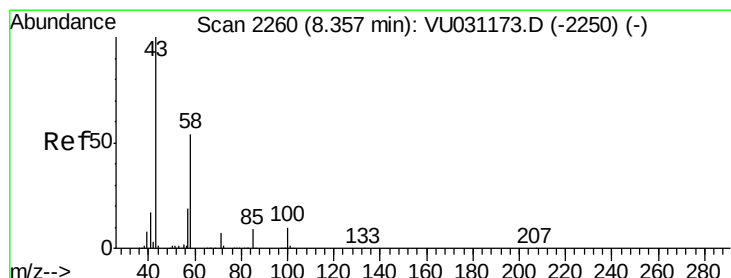
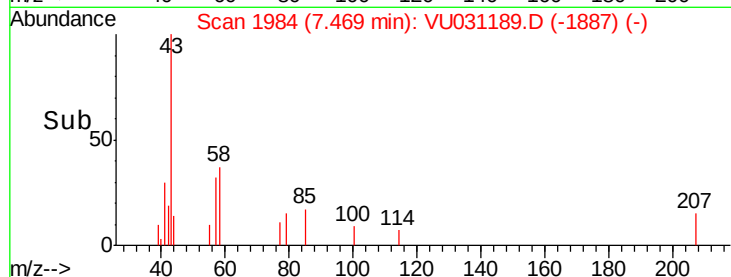
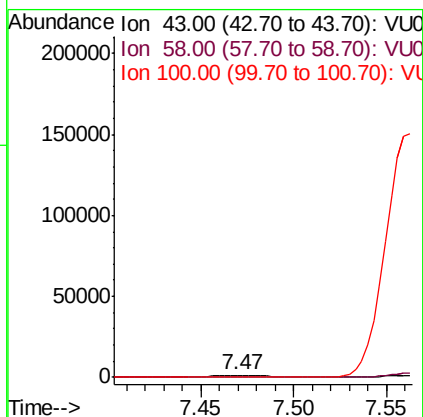
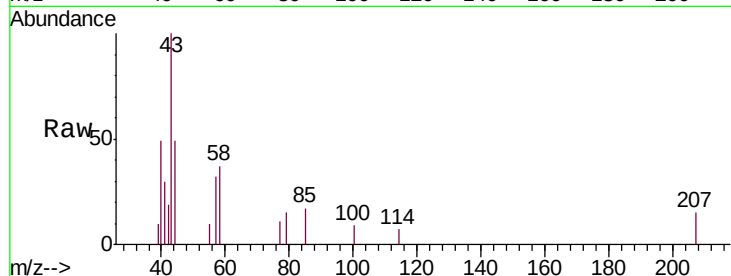




#40
4-Methyl-2-pentanone
Concen: 0.549 ug/L
RT: 7.47 min Scan# 1984
Delta R.T. 0.01 min
Lab File: VU031189.D
Acq: 14 Apr 2019 04:45

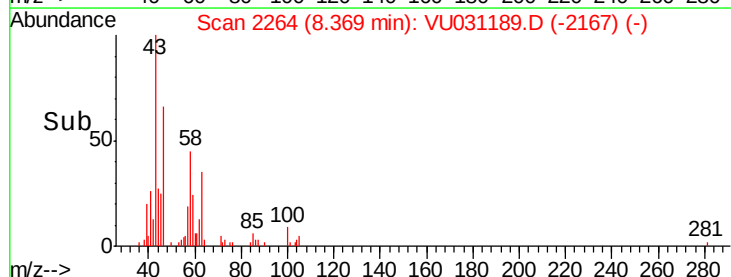
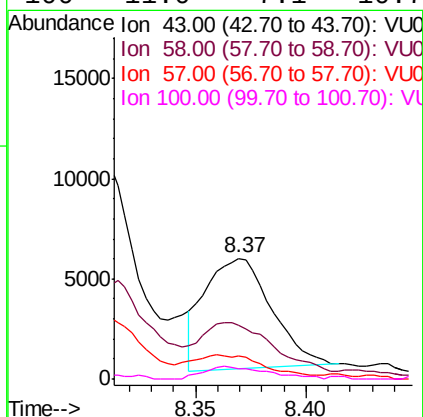
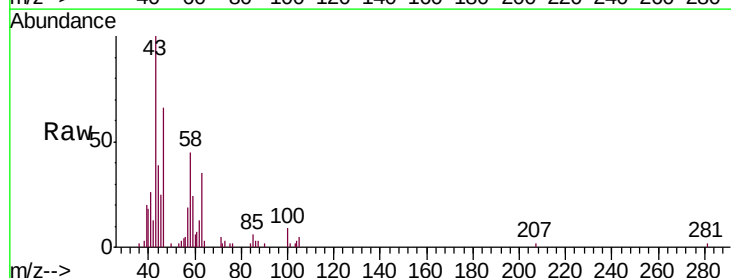
Instrument :
MSVOA_U
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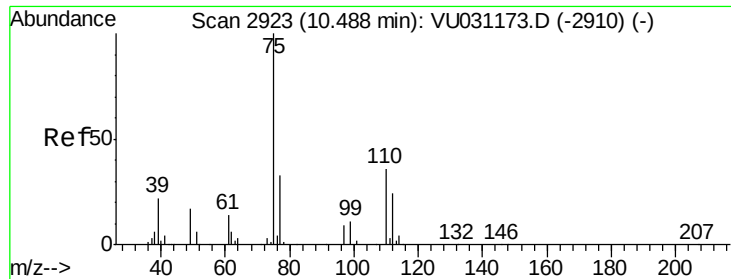
Tgt Ion: 43 Resp: 3005
Ion Ratio Lower Upper
43 100
58 23.4 29.7 44.5#
100 2.7 9.8 14.6#



#48
2-Hexanone
Concen: 2.711 ug/L
RT: 8.37 min Scan# 2264
Delta R.T. 0.01 min
Lab File: VU031189.D
Acq: 14 Apr 2019 04:45

Tgt Ion: 43 Resp: 11587
Ion Ratio Lower Upper
43 100
58 58.6 41.9 62.9
57 4.2 14.3 21.5#
100 11.0 7.1 10.7#





#59

1,2,3-Trichloropropane

Concen: 5.116 ug/L

RT: 11.48 min Scan# 3232

Delta R.T. 0.99 min

Lab File: VU031189.D

Acq: 14 Apr 2019 04:45

Instrument :

MSVOA_U

ClientSampleId :

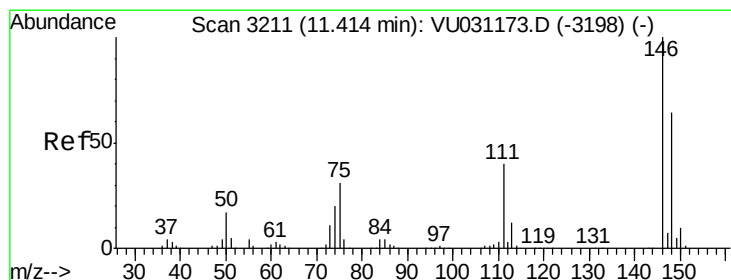
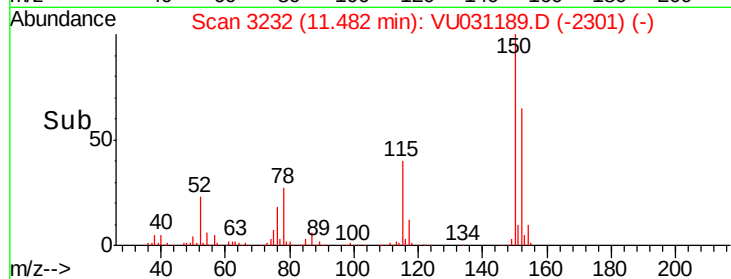
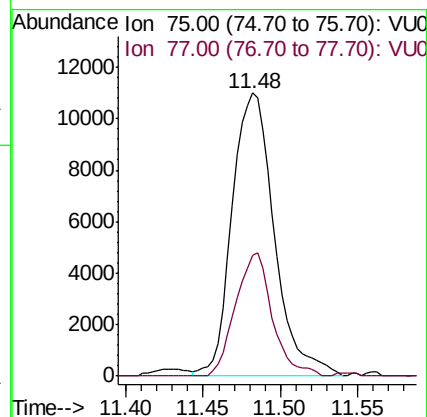
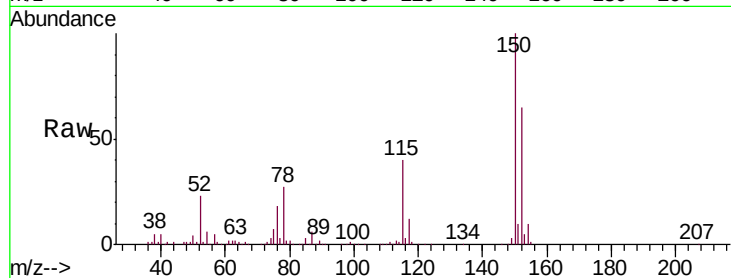
BFC24

Tgt Ion: 75 Resp: 20872

Ion Ratio Lower Upper

75 100

77 37.1 26.1 39.1



#62

1,3-Dichlorobenzene

Concen: 0.471 ug/L

RT: 11.42 min Scan# 3212

Delta R.T. 0.00 min

Lab File: VU031189.D

Acq: 14 Apr 2019 04:45

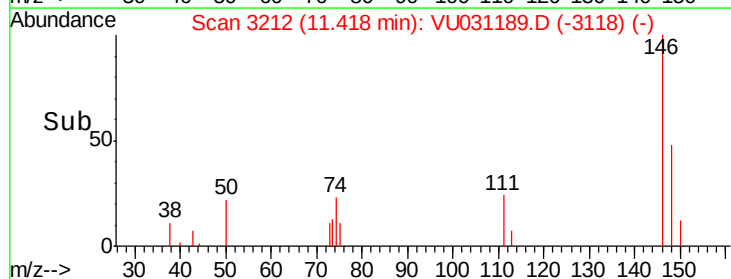
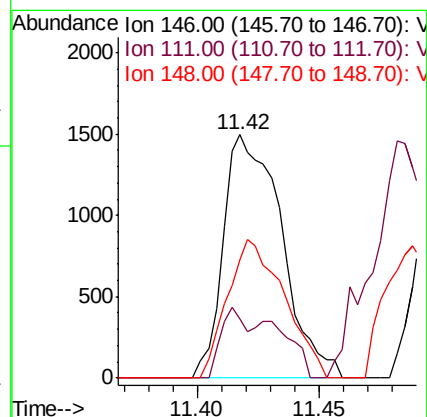
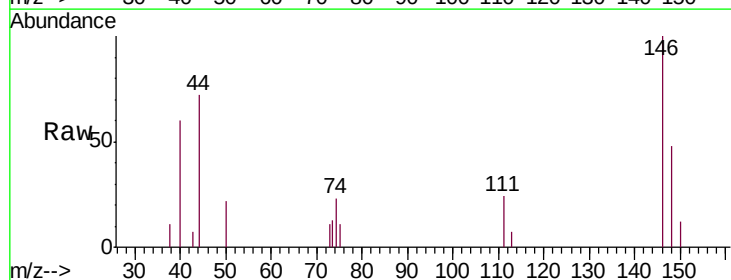
Tgt Ion: 146 Resp: 2481

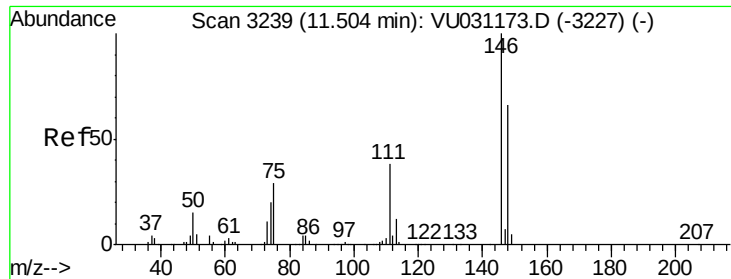
Ion Ratio Lower Upper

146 100

111 24.2 30.9 57.5#

148 48.4 44.7 82.9





#63
 1,4-Dichlorobenzene
 Concen: 0.634 ug/L
 RT: 11.51 min Scan# 3240
 Delta R.T. 0.00 min
 Lab File: VU031189.D
 Acq: 14 Apr 2019 04:45

Instrument :
 MSVOA_U
 ClientSampleId :
 BFC24

Tgt Ion:146 Resp: 3394
 Ion Ratio Lower Upper
 146 100
 111 33.1 27.7 51.5
 148 57.2 45.4 84.4

