

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041319\
 Data File : VU031184.D
 Acq On : 14 Apr 2019 02:23
 Operator : JC/SP
 Sample : K2399-15DL 5X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFC39DL

Quant Time: Apr 14 02:53:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sun Apr 14 02:24:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	468347	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	440735	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	164793	50.00	ug/L	0.00

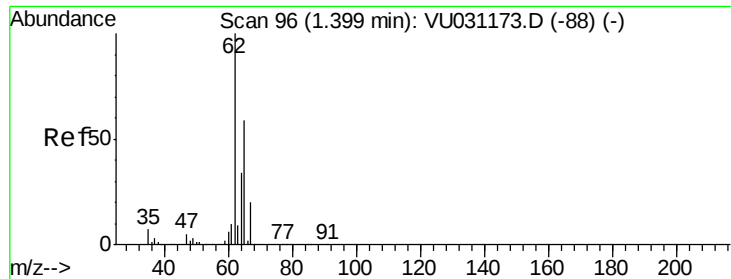
System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	184599	44.15	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	88.30%
7) Chloroethane-d5	1.67	69	146827	46.27	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	92.54%
11) 1,1-Dichloroethene-d2	2.27	63	347515	45.96	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.92%
21) 2-Butanone-d5	4.17	46	320996	96.87	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	96.87%
24) Chloroform-d	4.64	84	329267	51.56	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.12%
26) 1,2-Dichloroethane-d4	5.31	65	218890	50.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.46%
32) Benzene-d6	5.33	84	649974	50.52	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.04%
36) 1,2-Dichloropropane-d6	6.32	67	220343	49.97	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.94%
41) Toluene-d8	7.56	98	525078	46.04	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.08%
43) trans-1,3-Dichloropropene-	7.85	79	90854	45.19	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.38%
47) 2-Hexanone-d5	8.31	63	188534	93.55	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	93.55%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	306506	51.53	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	103.06%
64) 1,2-Dichlorobenzene-d4	11.86	152	184914	57.06	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	114.12%

Target Compounds

					Ovalue
5) Vinyl chloride	1.40	62	8968	1.741 ug/L #	8
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	3693	1.101 ug/L #	45
12) 1,1-Dichloroethene	2.28	96	190829	58.944 ug/L	91
13) Acetone	2.32	43	2057	0.607 ug/L	87
19) 1,1-Dichloroethane	3.44	63	57001	8.035 ug/L	96
20) cis-1,2-Dichloroethene	4.23	96	18435	4.857 ug/L	80
25) Chloroform	4.66	83	5548	0.778 ug/L	82
30) 1,1,1-Trichloroethane	4.91	97	4796	0.893 ug/L #	70
34) Trichloroethene	6.18	95	16066	4.542 ug/L	87
39) cis-1,3-Dichloropropene	7.22	75	5396	0.928 ug/L	84
44) trans-1,3-Dichloropropene	7.85	75	3026	0.591 ug/L #	55
46) Tetrachloroethene	8.22	164	62612	24.345 ug/L	96
48) 2-Hexanone	8.37	43	8283	1.617 ug/L #	73
59) 1,2,3-Trichloropropane	11.48	75	19616	4.010 ug/L	90

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



#5

Vinyl chloride

Concen: 1.741 ug/L

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU031184.D

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Instrument :

MSVOA_U

ClientSampleId :

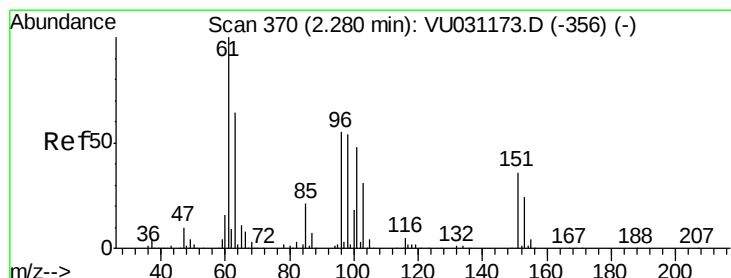
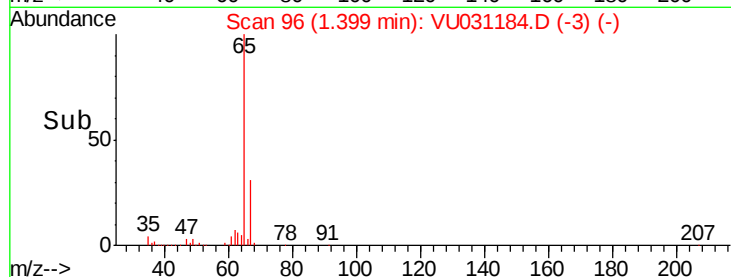
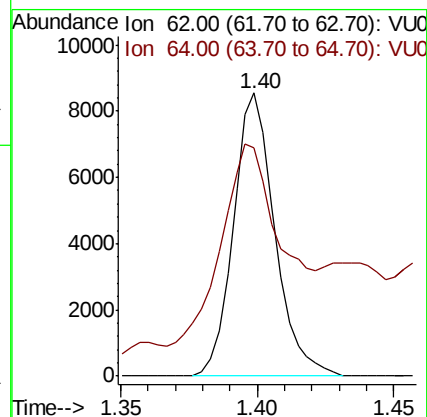
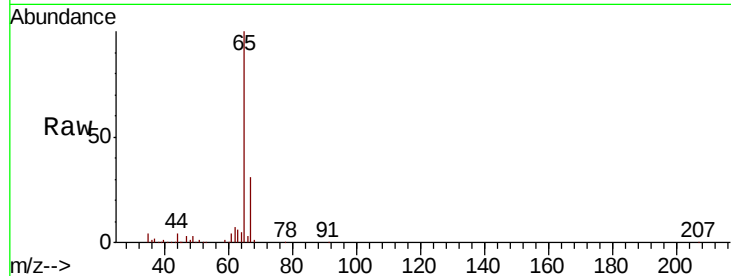
BFC39DL

Tot Ion: 62 Resp: 8968

Ion Ratio Lower Upper

62 100

64 80.8 21.5 39.9#



#10

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

Concen: 1.101 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.01 min

Lab File: VU031184.D

Acq: 14 Apr 2019 02:23

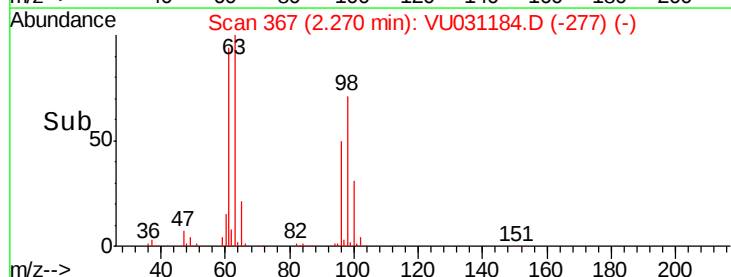
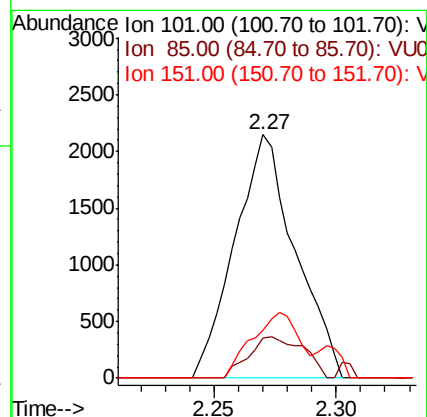
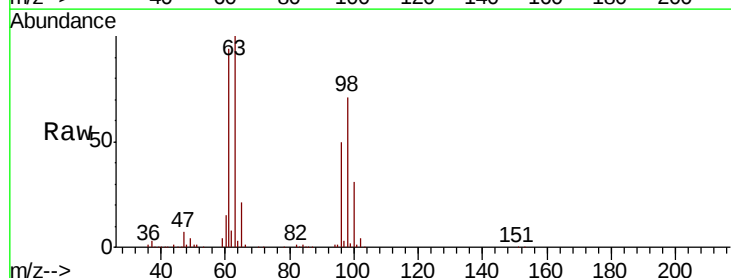
Tgt Ion:101 Resp: 3693

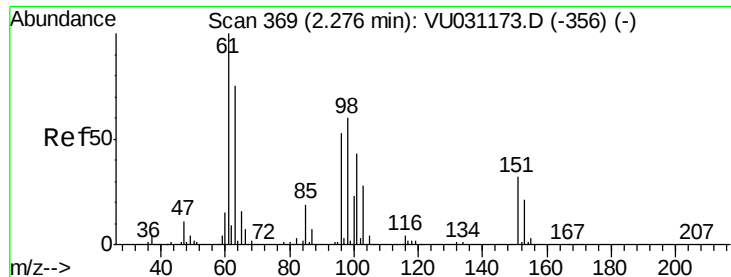
Ion Ratio Lower Upper

101 100

85 15.5 36.8 55.2#

151 21.0 57.4 86.0#





#12

1,1-Dichloroethene

Concen: 58.944 ug/L

RT: 2.28 min Scan# 369

Delta R.T. 0.00 min

Lab File: VU031184.D

Acq: 14 Apr 2019 02:23

Instrument :

MSVOA_U

ClientSampled :

BFC39DL

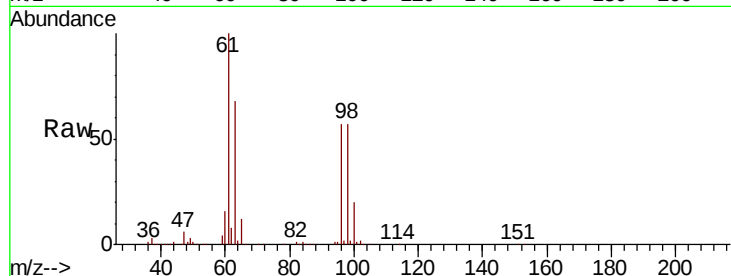
Tot Ion: 96 Resp: 190829

Ion Ratio Lower Upper

96 100

61 176.4 132.0 245.2

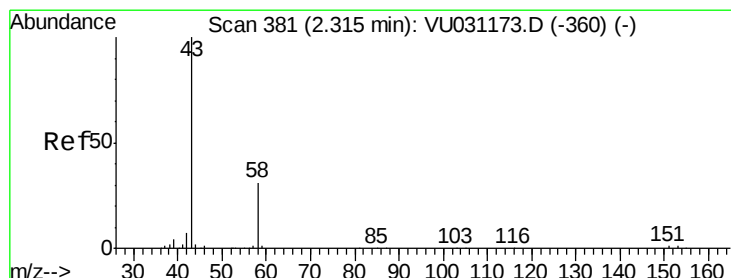
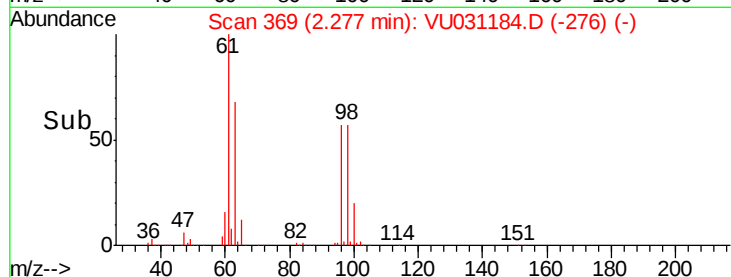
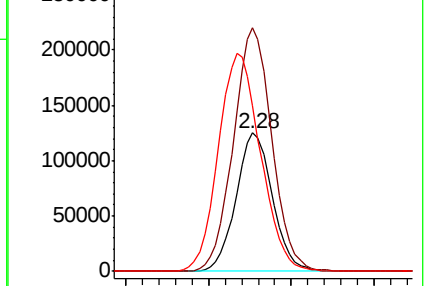
63 119.5 90.9 168.9



Abundance Ion 96.00 (95.70 to 96.70): VU031184.D (-276) (-)

Ion 61.00 (60.70 to 61.70): VU031184.D (-276) (-)

Ion 63.00 (62.70 to 63.70): VU031184.D (-276) (-)



#13

Acetone

Concen: 0.607 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VU031184.D

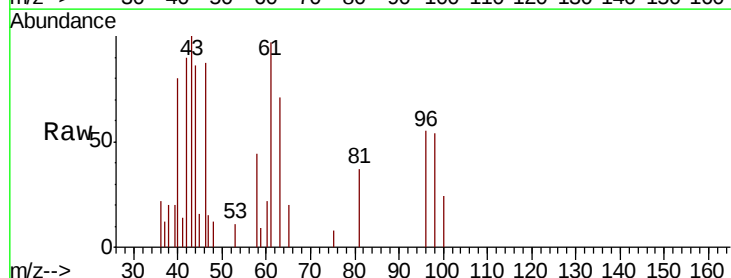
Acq: 14 Apr 2019 02:23

Tgt Ion: 43 Resp: 2057

Ion Ratio Lower Upper

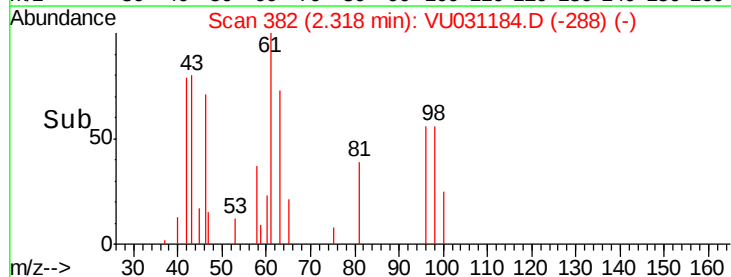
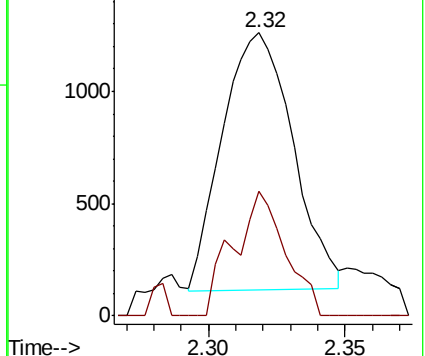
43 100

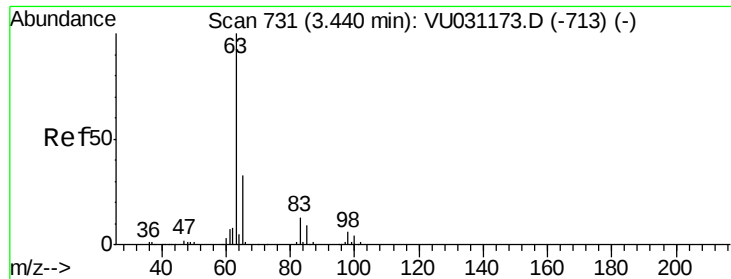
58 24.8 0.0 64.0



Abundance Ion 43.00 (42.70 to 43.70): VU031184.D (-288) (-)

Ion 58.00 (57.70 to 58.70): VU031184.D (-288) (-)





#19

1,1-Dichloroethane

Concen: 8.035 ug/L

RT: 3.44 min Scan# 730

Delta R.T. -0.00 min

Lab File: VU031184.D

Acq: 14 Apr 2019 02:23

Instrument :

MSVOA_U

ClientSampleId :

BFC39DL

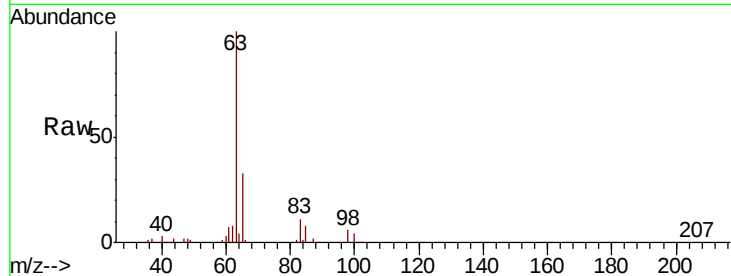
Tot Ion: 63 Resp: 57001

Ion Ratio Lower Upper

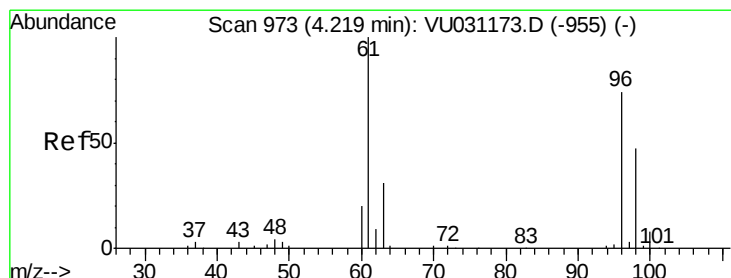
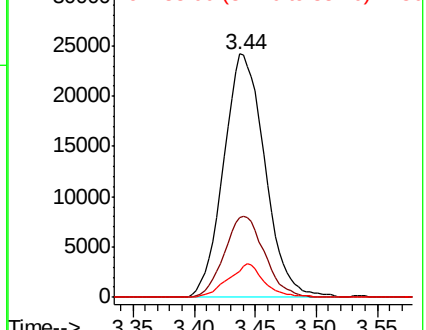
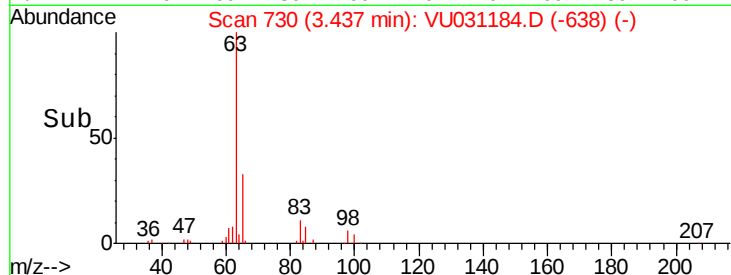
63 100

65 32.8 21.4 39.8

83 10.9 8.5 15.7



Abundance Ion 63.00 (62.70 to 63.70): VU031184.D (-638) (-)



#20

cis-1,2-Dichloroethene

Concen: 4.857 ug/L

RT: 4.23 min Scan# 975

Delta R.T. 0.01 min

Lab File: VU031184.D

Acq: 14 Apr 2019 02:23

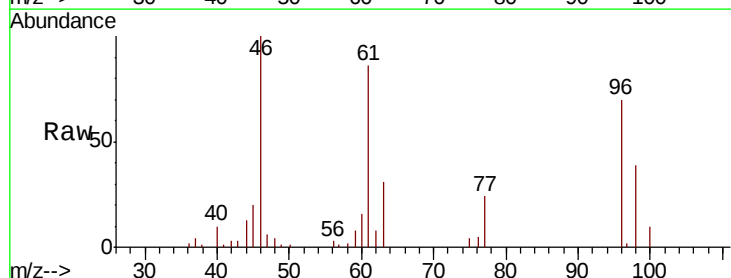
Tgt Ion: 96 Resp: 18435

Ion Ratio Lower Upper

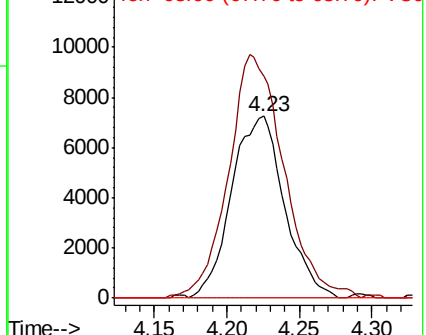
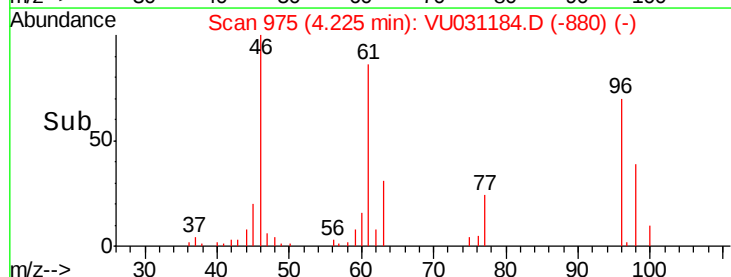
96 100

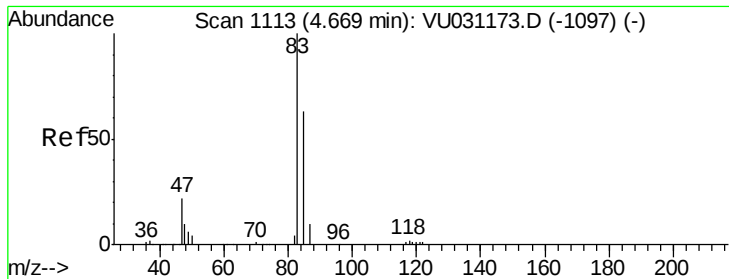
61 121.6 102.9 191.1

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU031184.D (-880) (-)

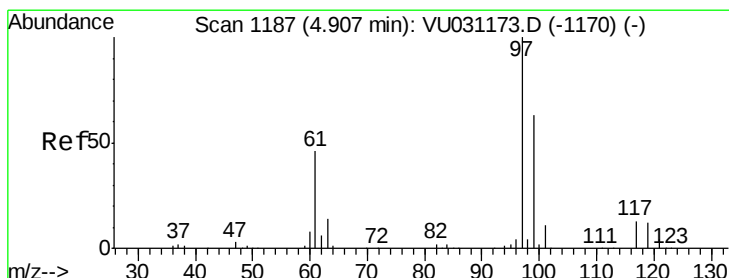
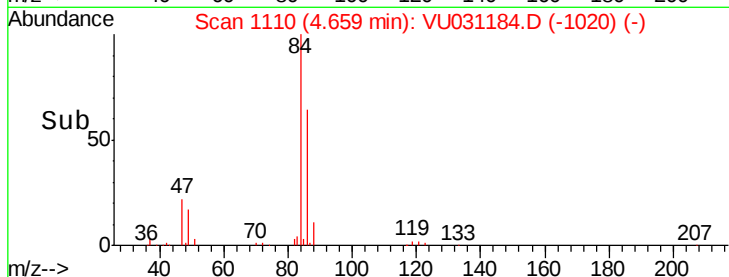
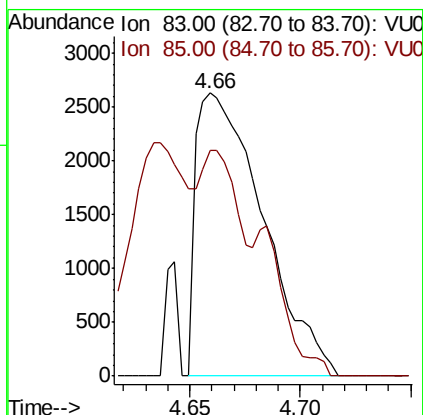
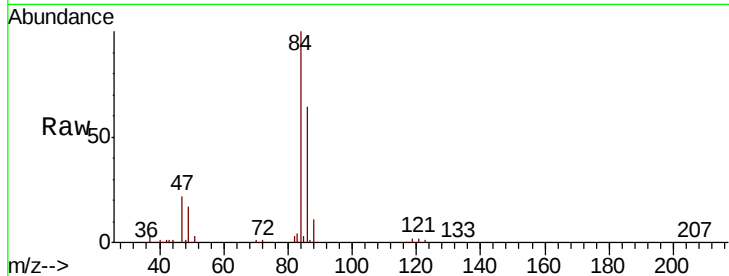




#25
Chloroform
Concen: 0.778 ug/L
RT: 4.66 min Scan# 1110
Delta R.T. -0.01 min
Lab File: VU031184.D
Acq: 14 Apr 2019 02:23

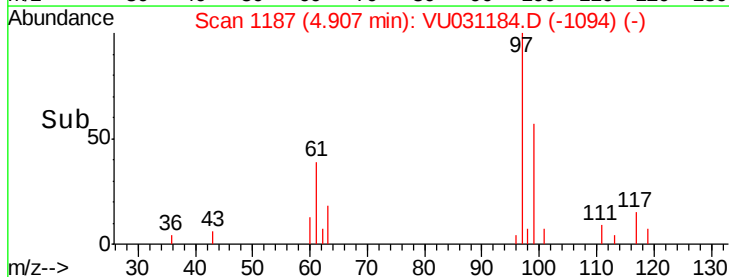
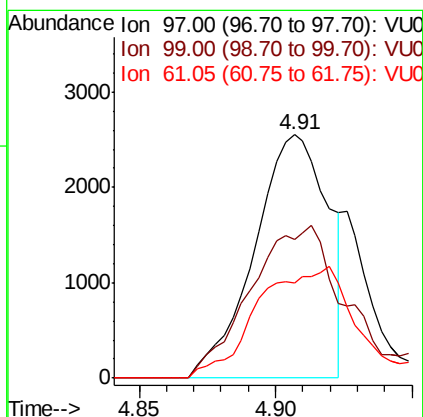
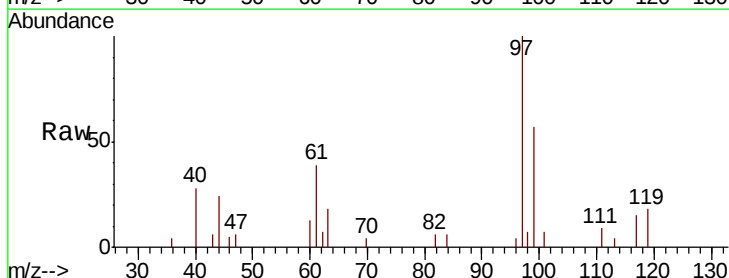
Instrument :
MSVOA_U
ClientSampleId :
BFC39DL

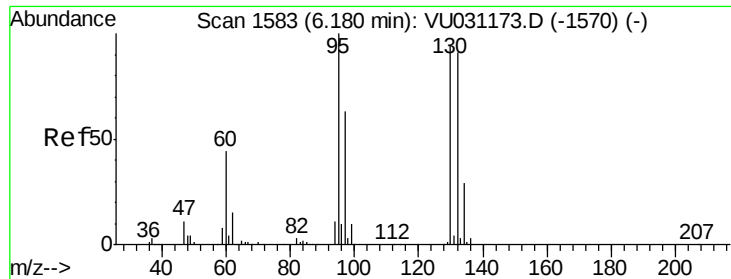
Tot Ion: 83 Resp: 5548
Ion Ratio Lower Upper
83 100
85 79.7 45.8 85.0



#30
1,1,1-Trichloroethane
Concen: 0.893 ug/L
RT: 4.91 min Scan# 1187
Delta R.T. 0.00 min
Lab File: VU031184.D
Acq: 14 Apr 2019 02:23

Tgt Ion: 97 Resp: 4796
Ion Ratio Lower Upper
97 100
99 40.6 51.4 77.2#
61 26.8 37.1 55.7#

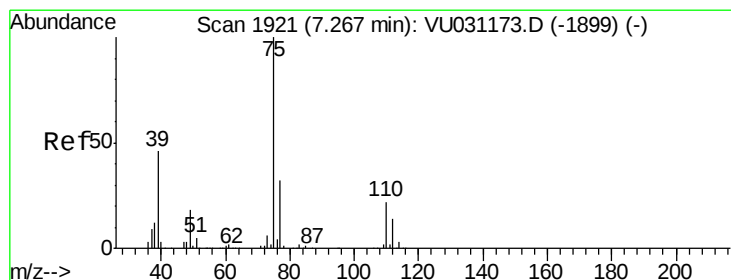
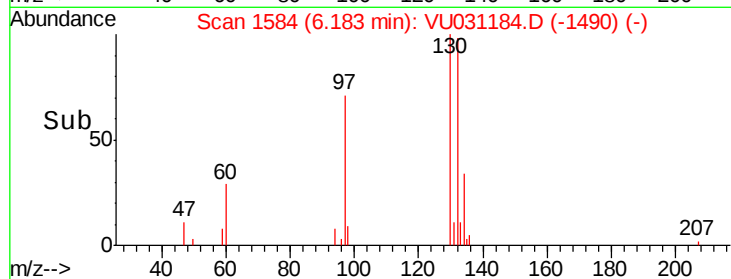
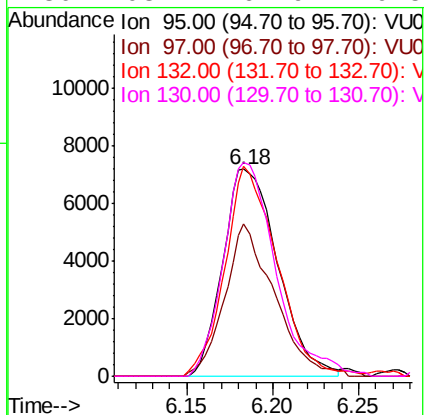
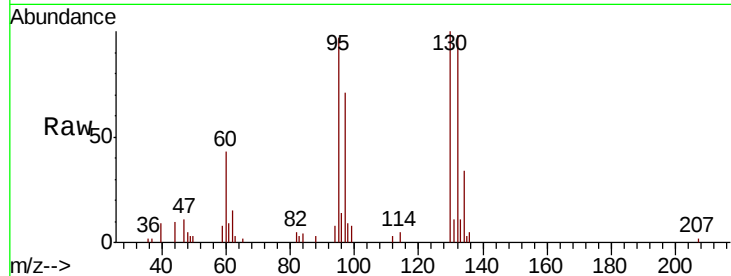




#34
 Trichloroethene
 Concen: 4.542 ug/L
 RT: 6.18 min Scan# 1584
 Delta R.T. 0.00 min
 Lab File: VU031184.D
 Acq: 14 Apr 2019 02:23

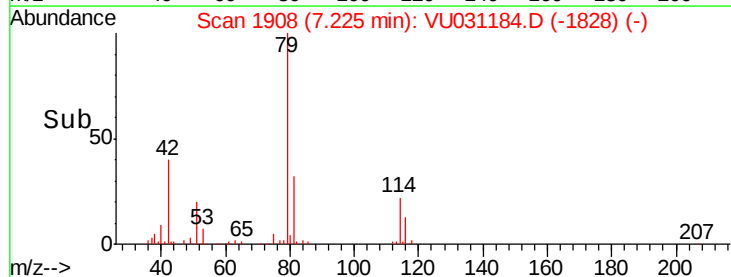
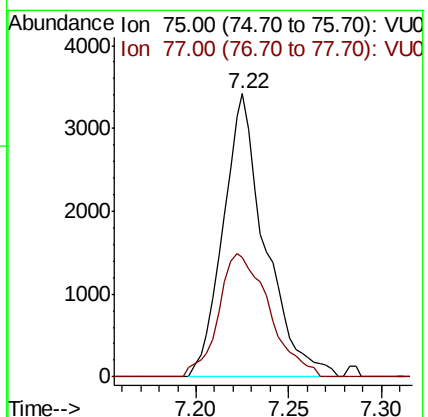
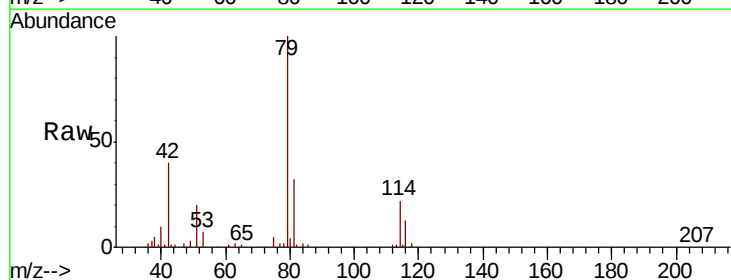
Instrument :
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 BFC39DL

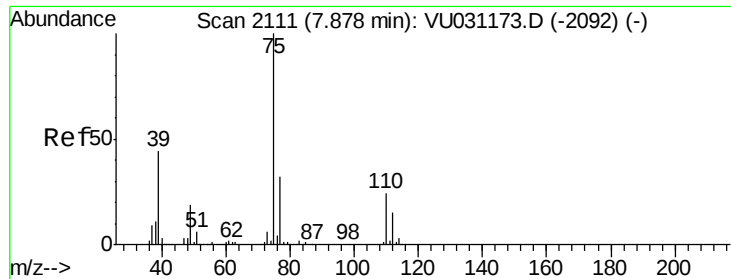
Tot Ion: 95 Resp: 16066
 Ion Ratio Lower Upper
 95 100
 97 73.6 44.5 82.7
 132 101.4 61.5 114.1
 130 103.2 64.9 120.5



#39
 cis-1,3-Dichloropropene
 Concen: 0.928 ug/L
 RT: 7.22 min Scan# 1908
 Delta R.T. -0.04 min
 Lab File: VU031184.D
 Acq: 14 Apr 2019 02:23

Tgt Ion: 75 Resp: 5396
 Ion Ratio Lower Upper
 75 100
 77 42.1 23.1 42.9

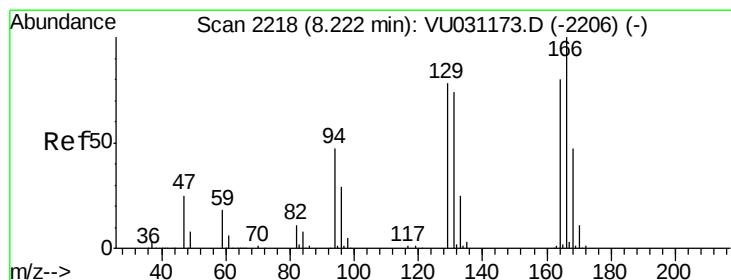
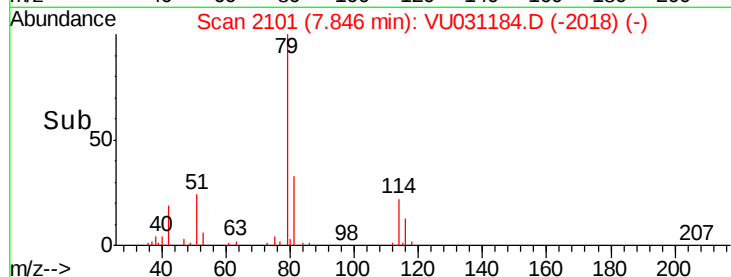
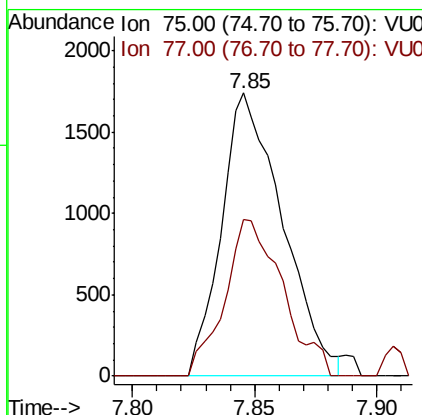
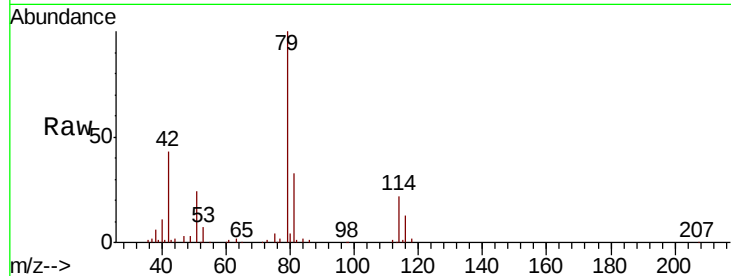




#44
trans-1,3-Dichloropropene
Concen: 0.591 ug/L
RT: 7.85 min Scan# 2101
Delta R.T. -0.03 min
Lab File: VU031184.D
Acq: 14 Apr 2019 02:23

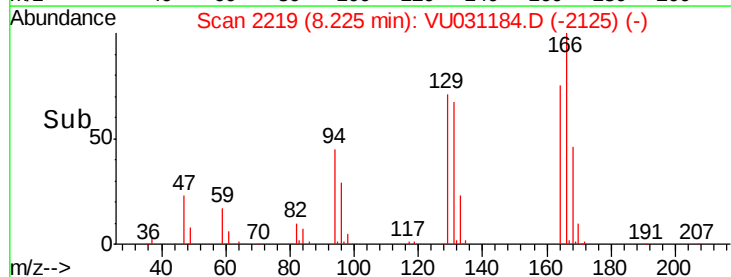
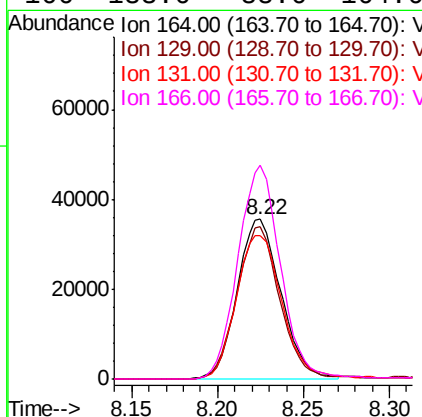
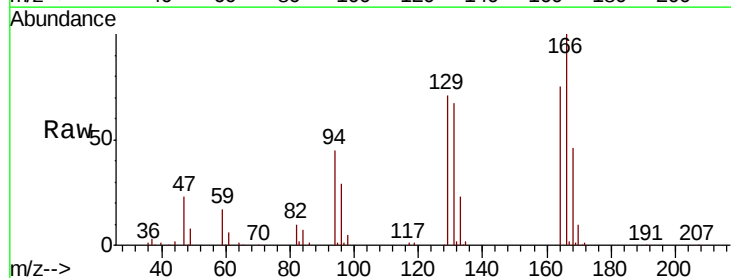
Instrument :
MSVOA_U
ClientSampleId :
BFC39DL

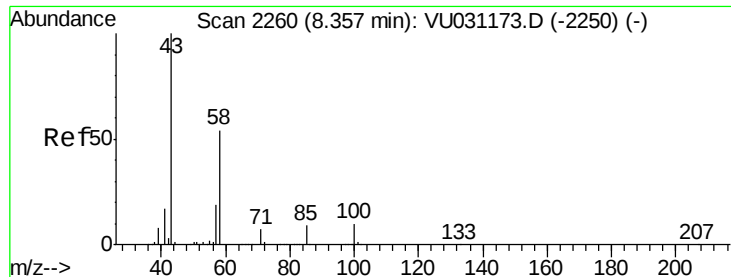
Tot Ion: 75 Resp: 3026
Ion Ratio Lower Upper
75 100
77 55.2 21.6 40.0#



#46
Tetrachloroethene
Concen: 24.345 ug/L
RT: 8.22 min Scan# 2219
Delta R.T. 0.00 min
Lab File: VU031184.D
Acq: 14 Apr 2019 02:23

Tgt Ion:164 Resp: 62612
Ion Ratio Lower Upper
164 100
129 95.4 67.4 125.2
131 90.0 65.9 122.5
166 133.6 88.6 164.6

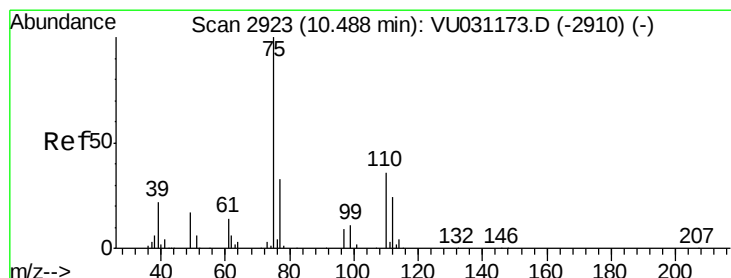
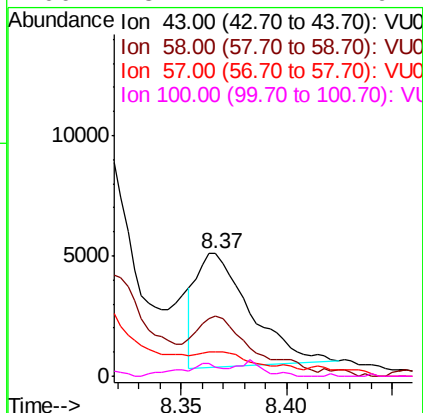
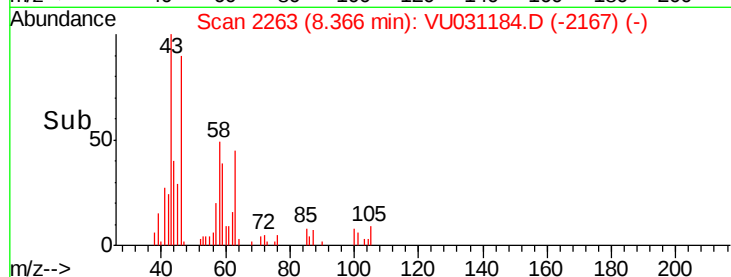
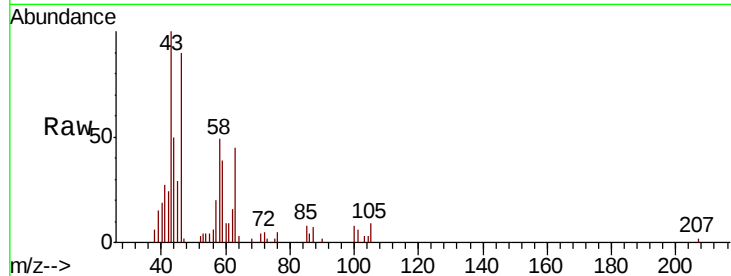




#48
2-Hexanone
Concen: 1.617 ug/L
RT: 8.37 min Scan# 2263
Delta R.T. 0.01 min
Lab File: VU031184.D
Acq: 14 Apr 2019 02:23

Instrument :
MSVOA_U
ClientSampleId :
BFC39DL

Tot Ion: 43 Resp: 8283
Ion Ratio Lower Upper
43 100
58 34.9 41.9 62.9#
57 0.0 14.3 21.5#
100 5.1 7.1 10.7#



#59
1,2,3-Trichloropropane
Concen: 4.010 ug/L
RT: 11.48 min Scan# 3231
Delta R.T. 0.99 min
Lab File: VU031184.D
Acq: 14 Apr 2019 02:23

Tgt Ion: 75 Resp: 19616
Ion Ratio Lower Upper
75 100
77 38.4 26.1 39.1

