

Data File : VU031146.D
Acq On : 12 Apr 2019 22:03
Operator : JC/SP
Sample : K2339-13
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFC36

Quant Time: Apr 13 01:08:17 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	503829	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	512914	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	209215	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	207999	46.25	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	92.50%
7) Chloroethane-d5	1.68	69	170550	49.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	99.92%
11) 1,1-Dichloroethene-d2	2.27	63	436042	53.60	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	107.20%
21) 2-Butanone-d5	4.17	46	328462	92.15	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	92.15%
24) Chloroform-d	4.64	84	319752	46.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.08%
26) 1,2-Dichloroethane-d4	5.31	65	223170	47.60	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.20%
32) Benzene-d6	5.33	84	665482	44.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.88%
36) 1,2-Dichloropropane-d6	6.32	67	239827	46.74	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.48%
41) Toluene-d8	7.56	98	613135	46.20	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.40%
43) trans-1,3-Dichloropropene-	7.85	79	102563	43.83	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.66%
47) 2-Hexanone-d5	8.31	63	208218	88.78	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	88.78%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	324285	46.85	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.70%
64) 1,2-Dichlorobenzene-d4	11.86	152	207103	50.33	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.66%

Target Compounds

					Qvalue
5) Vinyl chloride	1.40	62	6185	1.116 ug/L #	1
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	3088	0.856 ug/L #	25
12) 1,1-Dichloroethene	2.28	96	277019	79.541 ug/L	92
13) Acetone	2.32	43	74787	20.503 ug/L	99
17) trans-1,2-Dichloroethene	2.98	96	2203	0.596 ug/L	86
19) 1,1-Dichloroethane	3.44	63	297859	39.031 ug/L	97
20) cis-1,2-Dichloroethene	4.22	96	173771	42.559 ug/L	94
25) Chloroform	4.66	83	8403	1.096 ug/L	98
30) 1,1,1-Trichloroethane	4.91	97	55530	8.884 ug/L	98
33) Benzene	5.38	78	7345	0.438 ug/L	100
34) Trichloroethene	6.18	95	5679927	1379.710 ug/L	96
42) Toluene	7.64	91	9654	0.563 ug/L	96
44) trans-1,3-Dichloropropene	7.85	75	3534	0.593 ug/L #	61
45) 1,1,2-Trichloroethane	8.07	97	1581	0.392 ug/L #	59
48) 2-Hexanone	8.37	43	11852	1.988 ug/L #	80
52) Ethylbenzene	9.37	91	8305	0.445 ug/L	85
53) m,p-Xylene	9.38	106	4256	0.653 ug/L	81

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041219\
Quantitation Report (Not Reviewed)

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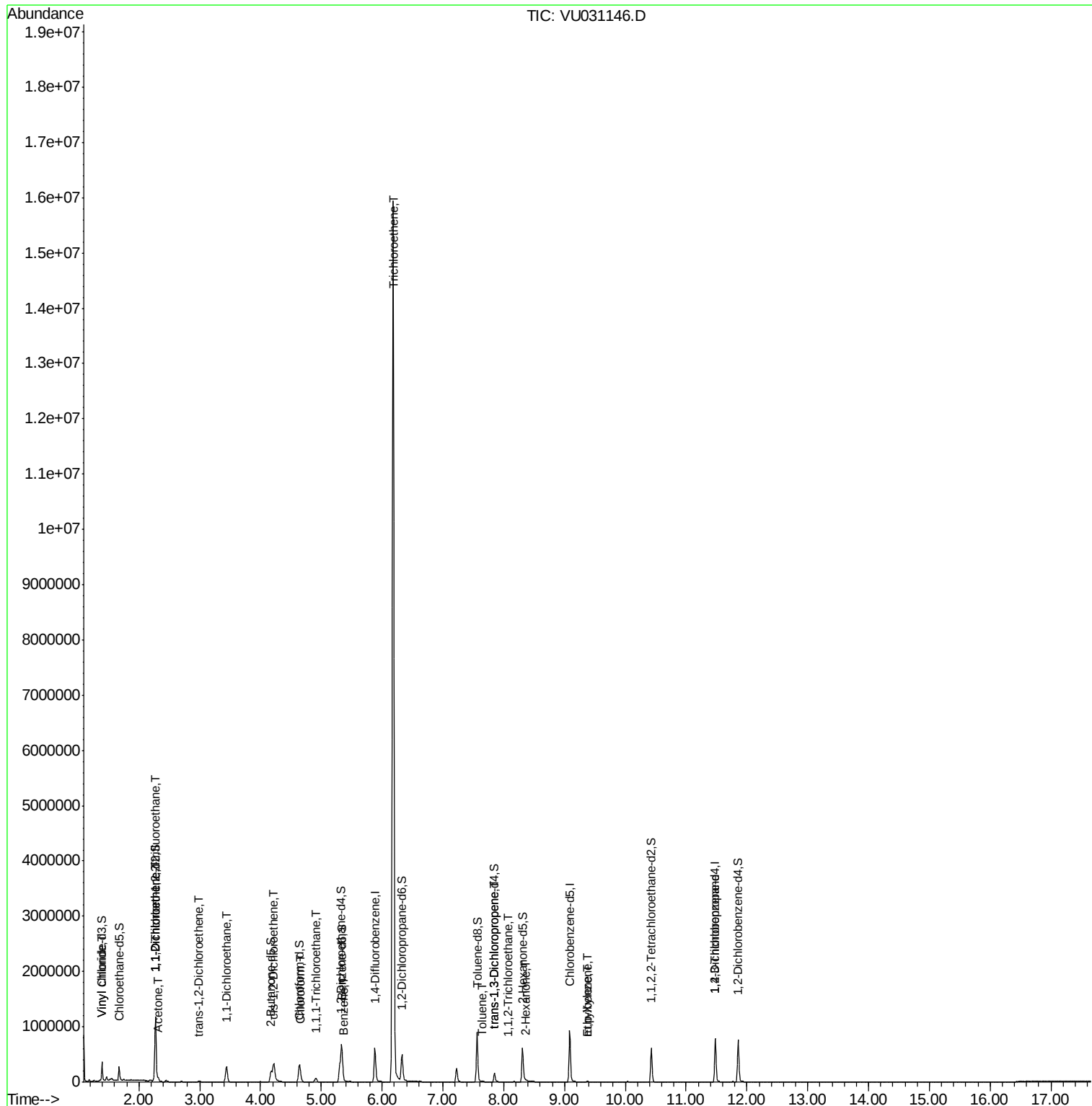
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
59) 1,2,3-Trichloropropane	11.48	75	24514	4.307	ug/L	91

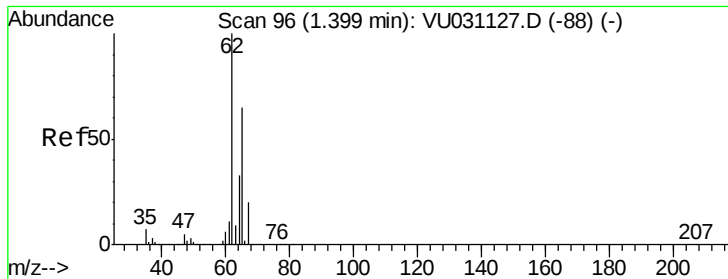
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Apr 13 01:01:33 2019
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#5

Vinyl chloride

Concen: 1.116 ug/L

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU031146.D

Acq: 12 Apr 2019 22:03

Instrument :

MSVOA_U

ClientSampleId :

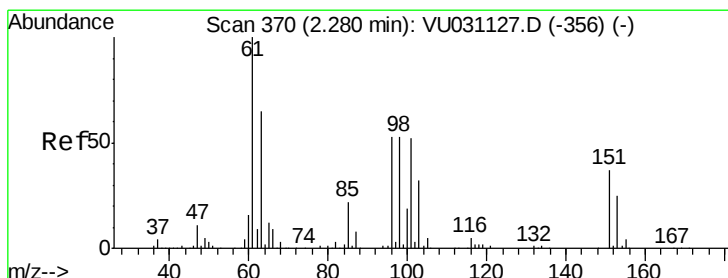
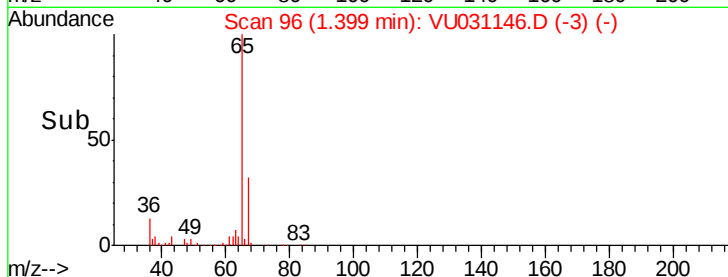
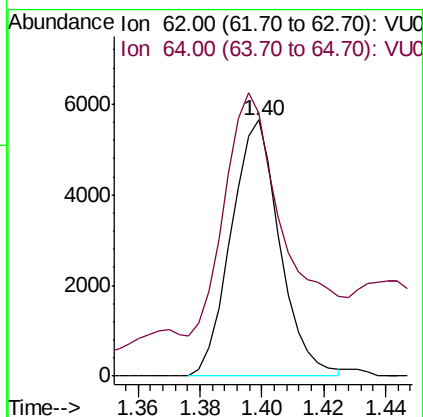
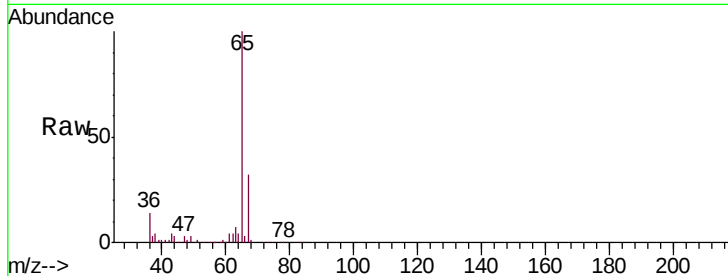
BFC36

Tgt Ion: 62 Resp: 6185

Ion Ratio Lower Upper

62 100

64 102.6 21.5 39.9#



#10

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

Concen: 0.856 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.01 min

Lab File: VU031146.D

Acq: 12 Apr 2019 22:03

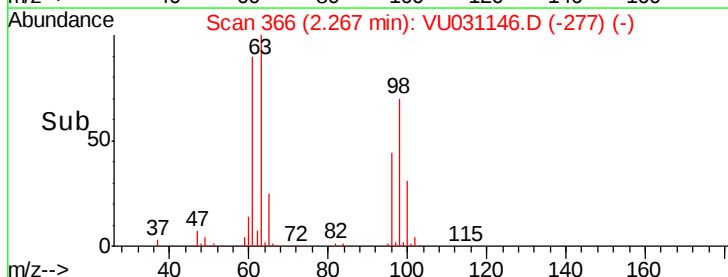
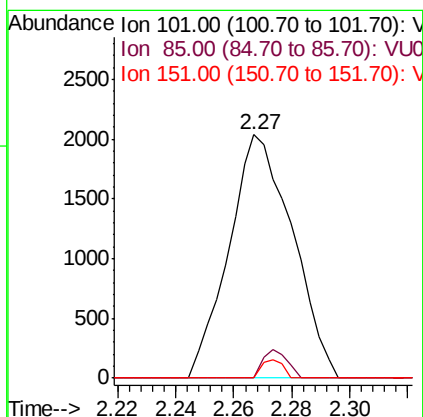
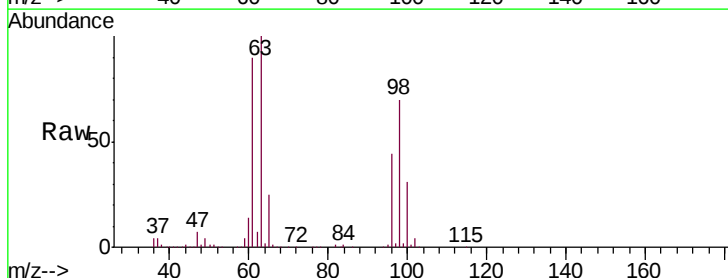
Tgt Ion: 101 Resp: 3088

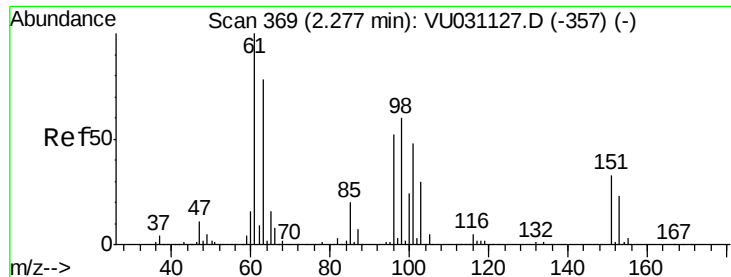
Ion Ratio Lower Upper

101 100

85 4.5 36.8 55.2#

151 2.6 57.4 86.0#





#12

1,1-Dichloroethene

Concen: 79.541 ug/L

RT: 2.28 min Scan# 369

Delta R.T. 0.00 min

Lab File: VU031146.D

Acq: 12 Apr 2019 22:03

Instrument :

MSVOA_U

ClientSampled :

BFC36

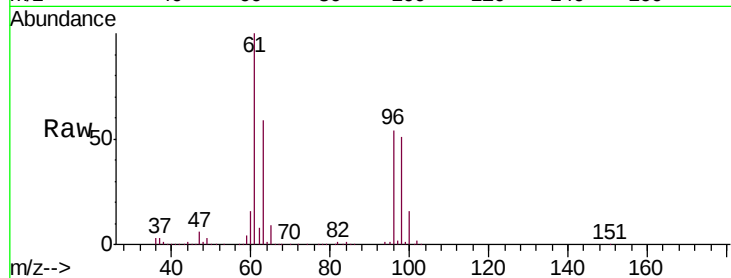
Tgt Ion: 96 Resp: 277019

Ion Ratio Lower Upper

96 100

61 185.7 132.0 245.2

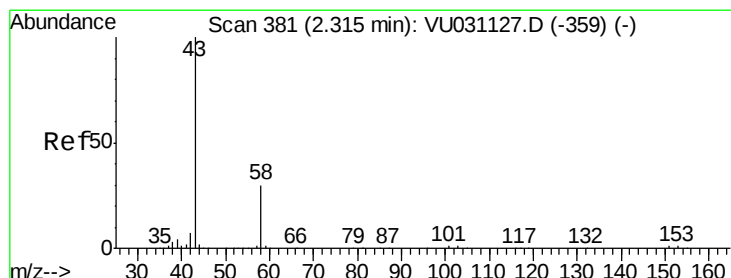
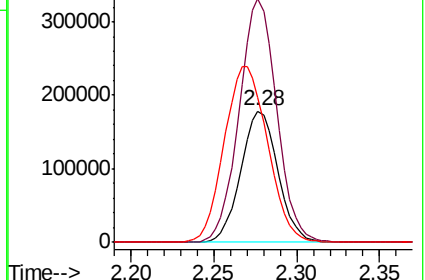
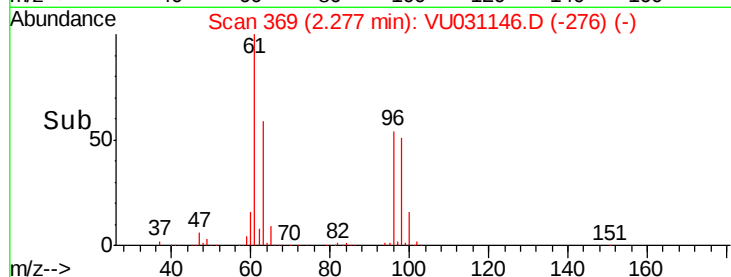
63 110.3 90.9 168.9



Abundance Ion 96.00 (95.70 to 96.70): VU031146.D (-276) (-)

Ion 61.00 (60.70 to 61.70): VU031146.D (-276) (-)

Ion 63.00 (62.70 to 63.70): VU031146.D (-276) (-)



#13

Acetone

Concen: 20.503 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VU031146.D

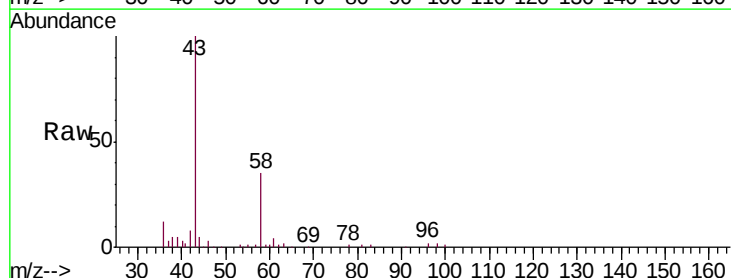
Acq: 12 Apr 2019 22:03

Tgt Ion: 43 Resp: 74787

Ion Ratio Lower Upper

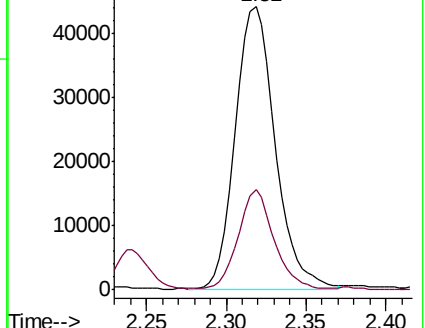
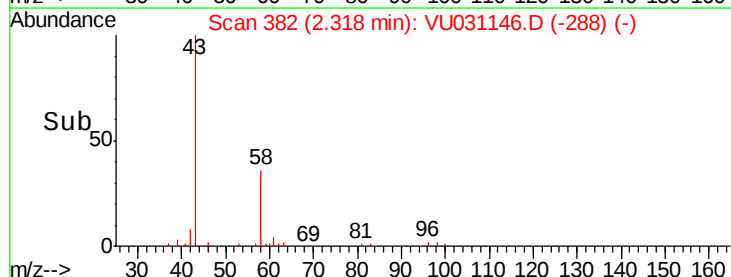
43 100

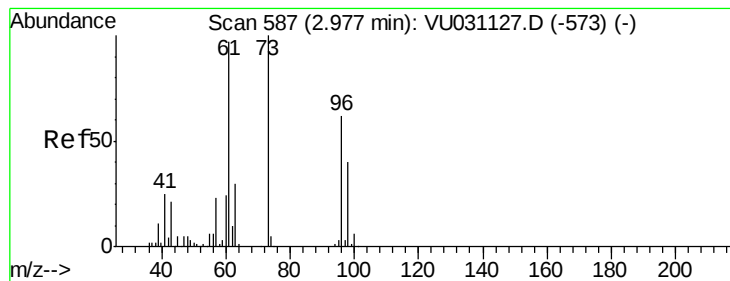
58 32.4 0.0 64.0



Abundance Ion 43.00 (42.70 to 43.70): VU031146.D (-288) (-)

Ion 58.00 (57.70 to 58.70): VU031146.D (-288) (-)





#17

trans-1,2-Dichloroethene

Concen: 0.596 ug/L

RT: 2.98 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU031146.D

Acq: 12 Apr 2019 22:03

Instrument :

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BFC36

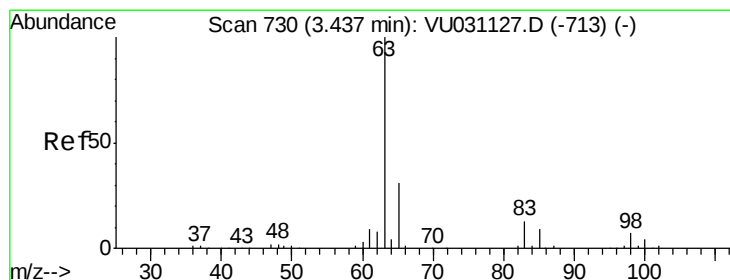
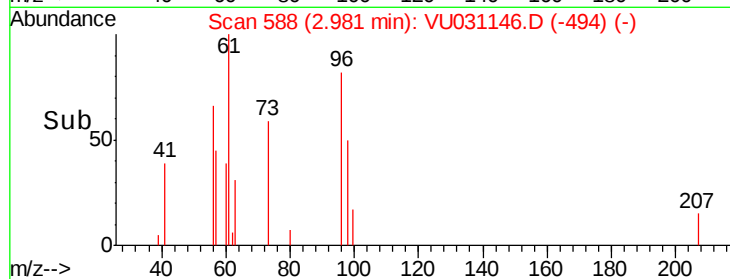
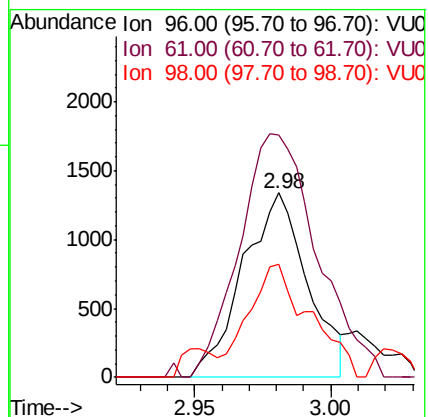
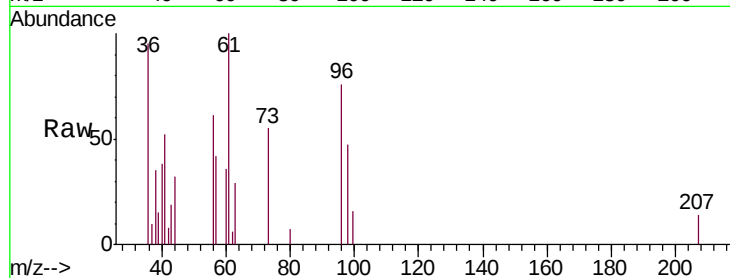
Tgt Ion: 96 Resp: 2203

Ion Ratio Lower Upper

96 100

61 131.2 109.5 203.3

98 61.5 44.0 81.6



#19

1,1-Dichloroethane

Concen: 39.031 ug/L

RT: 3.44 min Scan# 731

Delta R.T. 0.00 min

Lab File: VU031146.D

Acq: 12 Apr 2019 22:03

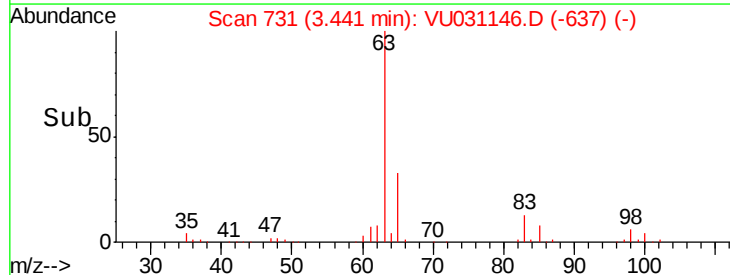
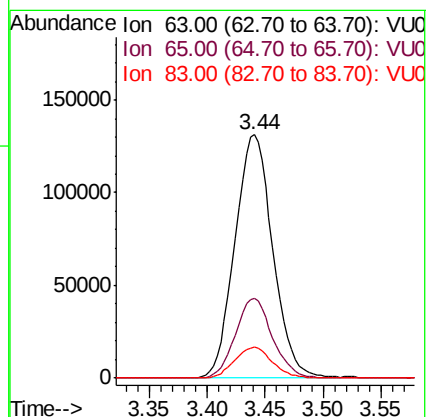
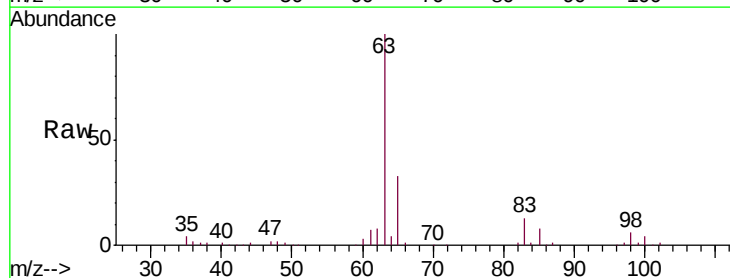
Tgt Ion: 63 Resp: 297859

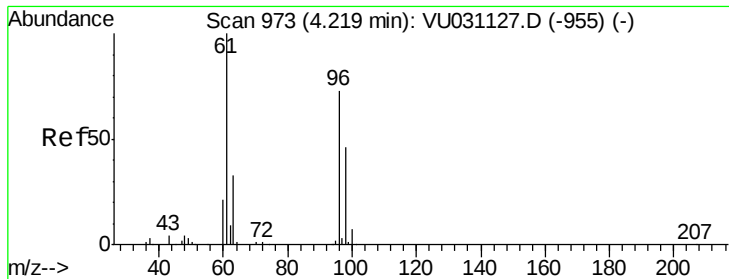
Ion Ratio Lower Upper

63 100

65 32.8 21.4 39.8

83 12.8 8.5 15.7

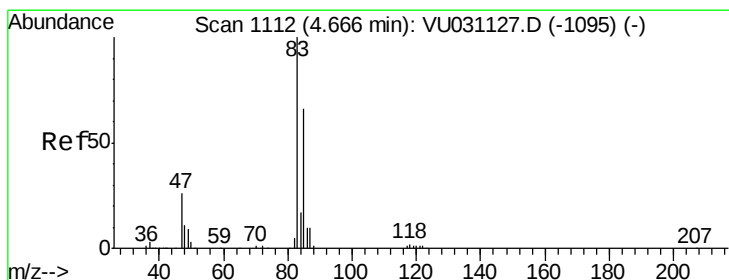
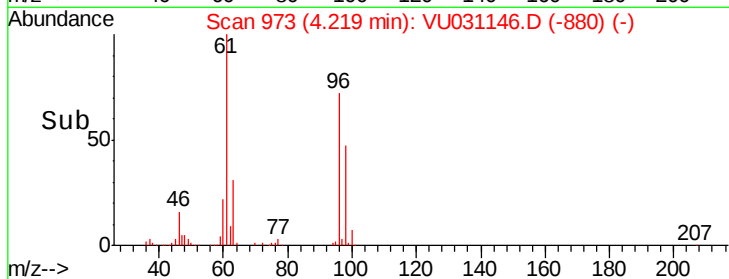
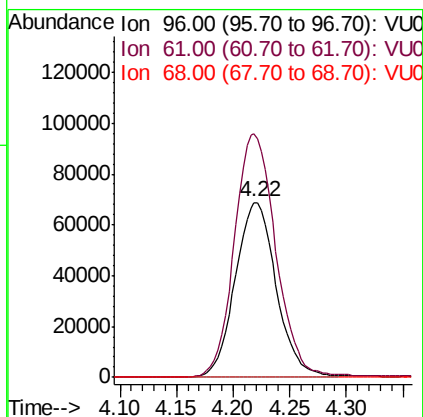
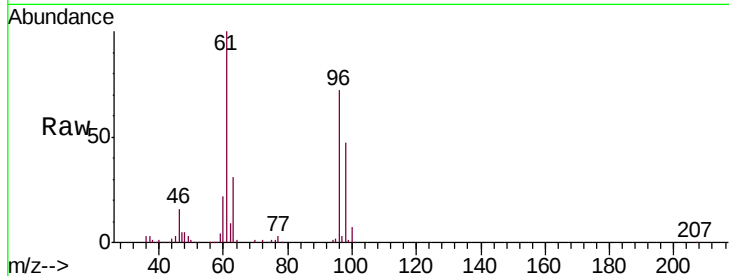




#20
 cis-1,2-Dichloroethene
 Concen: 42.559 ug/L
 RT: 4.22 min Scan# 973
 Delta R.T. 0.00 min
 Lab File: VU031146.D
 Acq: 12 Apr 2019 22:03

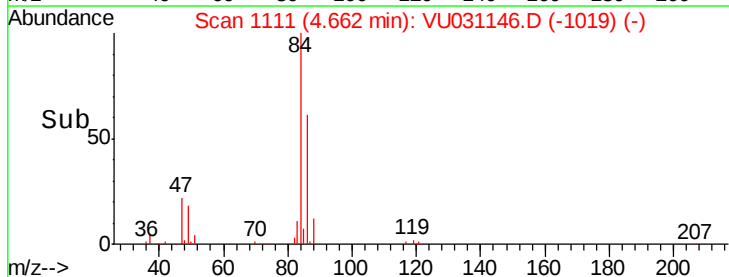
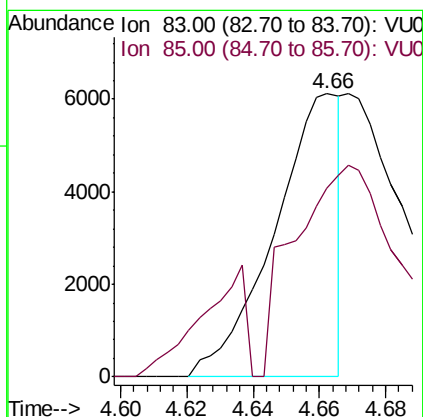
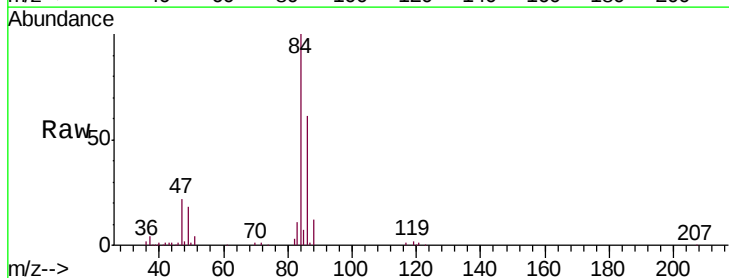
Instrument :
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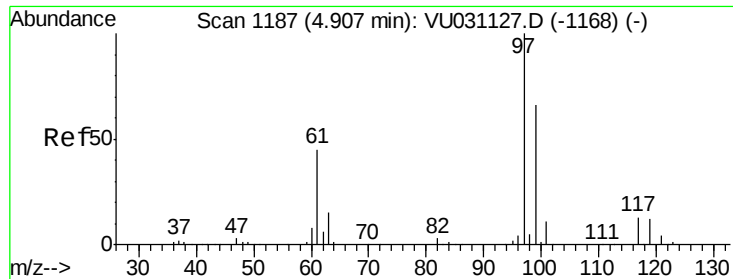
Tgt Ion: 96 Resp: 173771
 Ion Ratio Lower Upper
 96 100
 61 139.1 102.9 191.1
 68 0.0 0.0 0.0



#25
 Chloroform
 Concen: 1.096 ug/L
 RT: 4.66 min Scan# 1111
 Delta R.T. -0.00 min
 Lab File: VU031146.D
 Acq: 12 Apr 2019 22:03

Tgt Ion: 83 Resp: 8403
 Ion Ratio Lower Upper
 83 100
 85 66.6 45.8 85.0

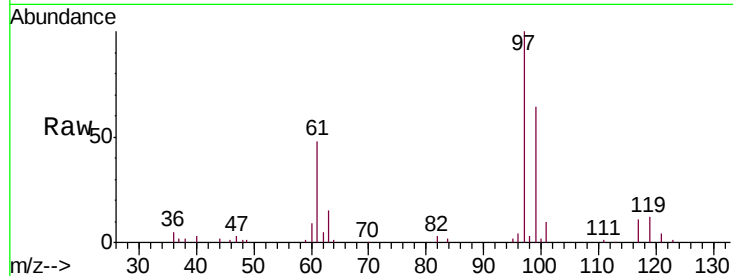




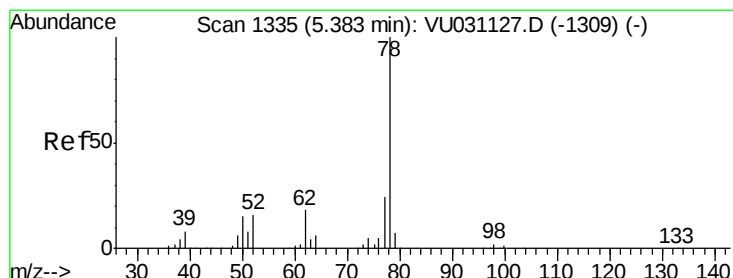
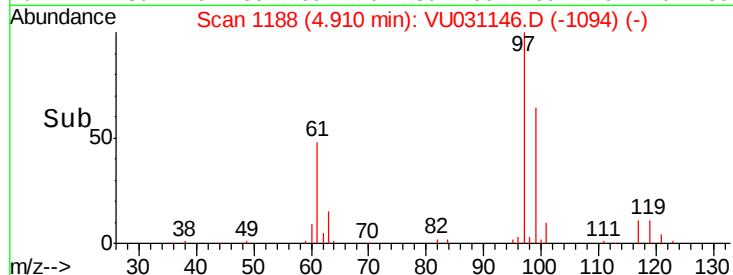
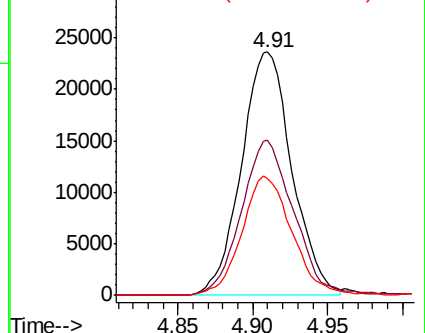
#30
 1,1,1-Trichloroethane
 Concen: 8.884 ug/L
 RT: 4.91 min Scan# 1188
 Delta R.T. 0.00 min
 Lab File: VU031146.D
 Acq: 12 Apr 2019 22:03

Instrument :
 MSVOA_U
 ClientSampleId :
 BFC36

Tgt Ion: 97 Resp: 55530
 Ion Ratio Lower Upper
 97 100
 99 65.6 51.4 77.2
 61 48.5 37.1 55.7

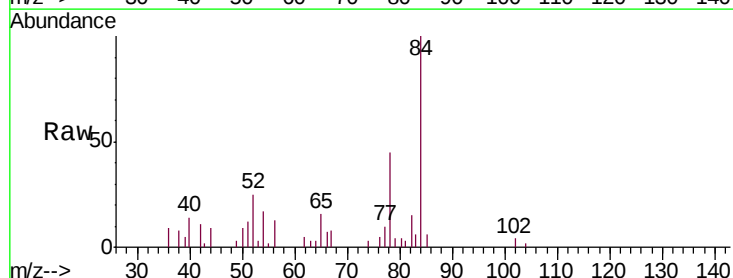


Abundance Ion 97.00 (96.70 to 97.70): VU0
 Ion 99.00 (98.70 to 99.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0

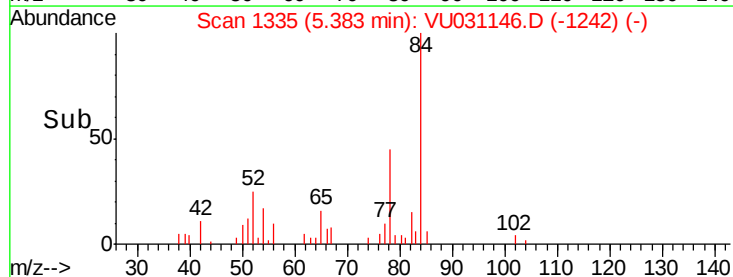
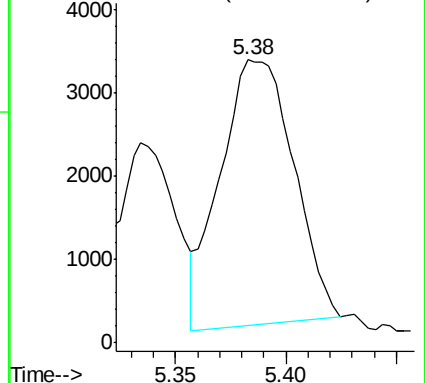


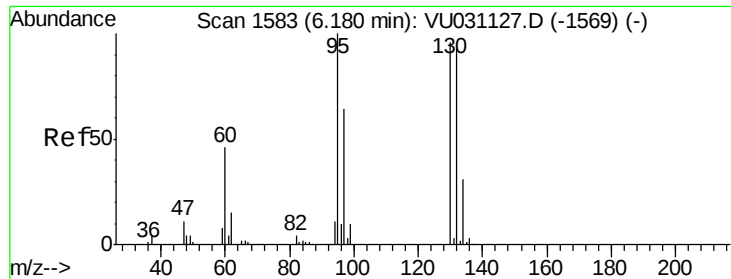
#33
 Benzene
 Concen: 0.438 ug/L
 RT: 5.38 min Scan# 1335
 Delta R.T. 0.00 min
 Lab File: VU031146.D
 Acq: 12 Apr 2019 22:03

Tgt Ion: 78 Resp: 7345



Abundance Ion 78.00 (77.70 to 78.70): VU0

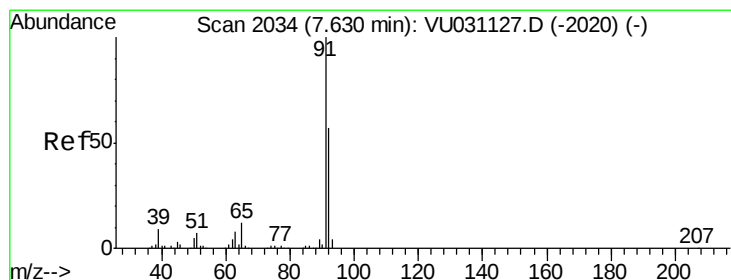
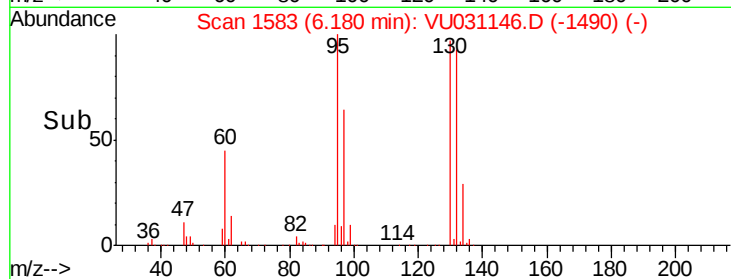
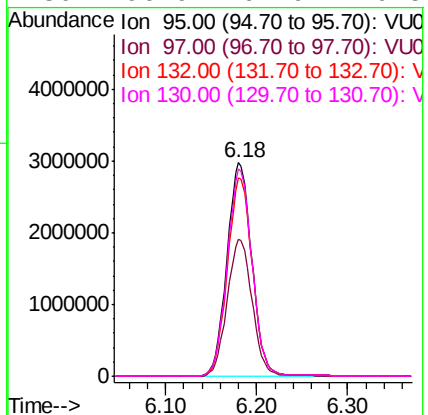
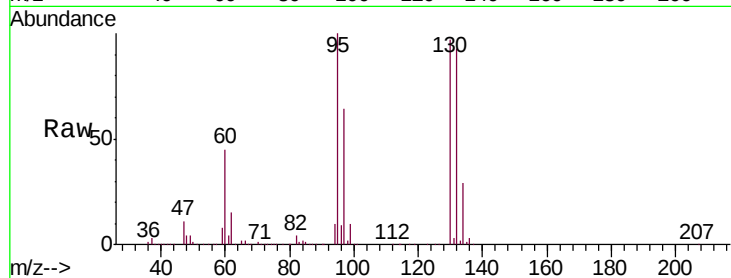




#34
 Trichloroethene
 Concen: 1379.710 ug/L
 RT: 6.18 min Scan# 1583
 Delta R.T. 0.00 min
 Lab File: VU031146.D
 Acq: 12 Apr 2019 22:03

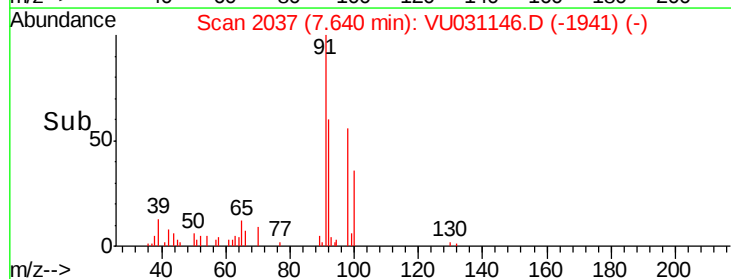
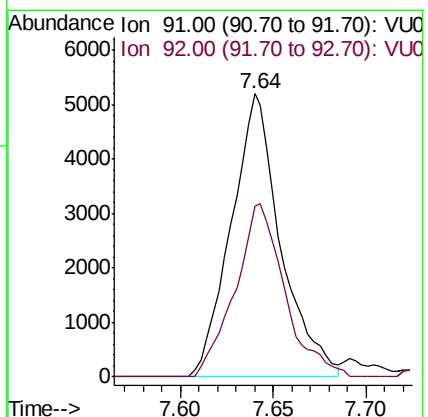
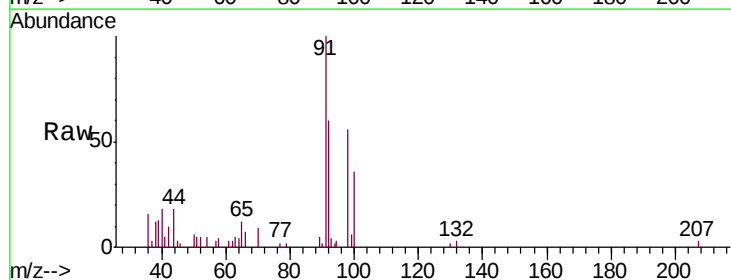
Instrument :
 MSVOA_U
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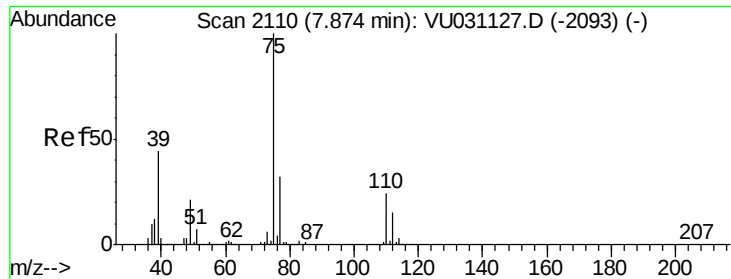
Tgt Ion: 95 Resp: 5679927
 Ion Ratio Lower Upper
 95 100
 97 64.2 44.5 82.7
 132 92.8 61.5 114.1
 130 96.9 64.9 120.5



#42
 Toluene
 Concen: 0.563 ug/L
 RT: 7.64 min Scan# 2037
 Delta R.T. 0.01 min
 Lab File: VU031146.D
 Acq: 12 Apr 2019 22:03

Tgt Ion: 91 Resp: 9654
 Ion Ratio Lower Upper
 91 100
 92 60.5 40.0 74.4





#44

trans-1,3-Dichloropropene

Concen: 0.593 ug/L

RT: 7.85 min Scan# 2101

Delta R.T. -0.03 min

Lab File: VU031146.D

Acq: 12 Apr 2019 22:03

Instrument :

MSVOA_U

ClientSampleId :

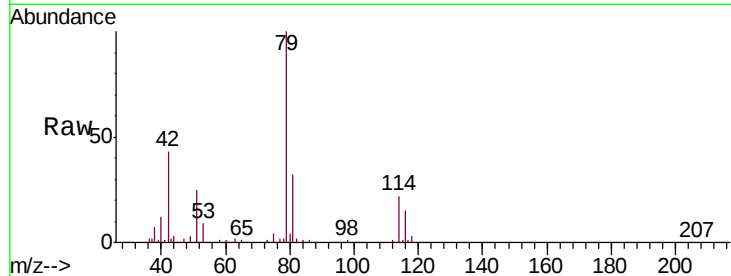
BFC36

Tgt Ion: 75 Resp: 3534

Ion Ratio Lower Upper

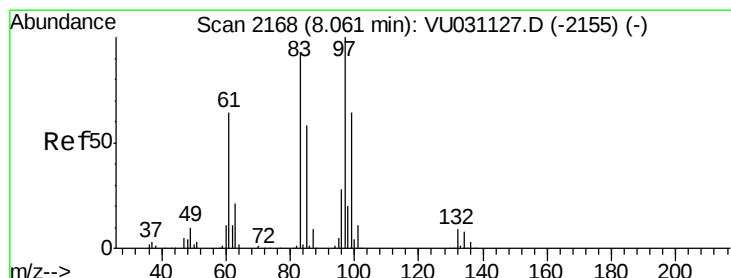
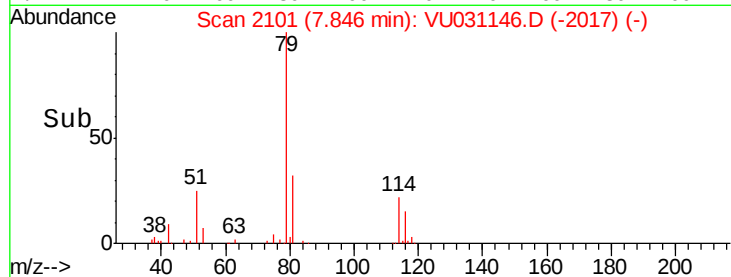
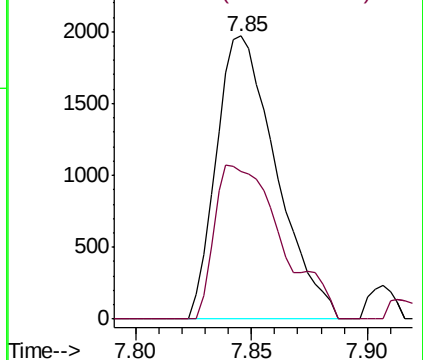
75 100

77 52.4 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) (-)



#45

1,1,2-Trichloroethane

Concen: 0.392 ug/L

RT: 8.07 min Scan# 2172

Delta R.T. 0.01 min

Lab File: VU031146.D

Acq: 12 Apr 2019 22:03

Tgt Ion: 97 Resp: 1581

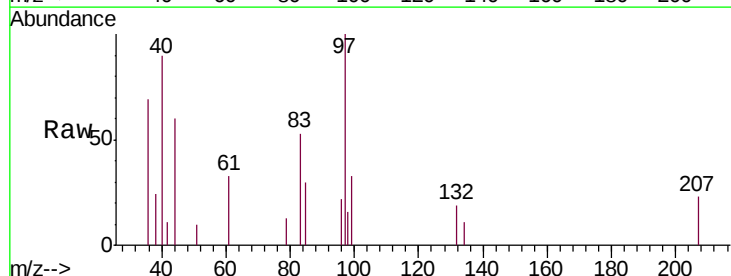
Ion Ratio Lower Upper

97 100

99 33.1 44.0 81.8#

83 52.6 65.3 121.3#

85 30.0 42.5 78.9#

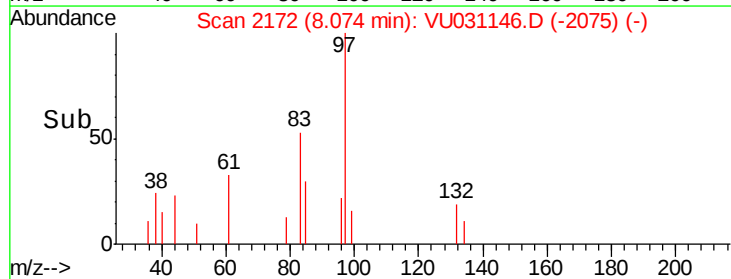
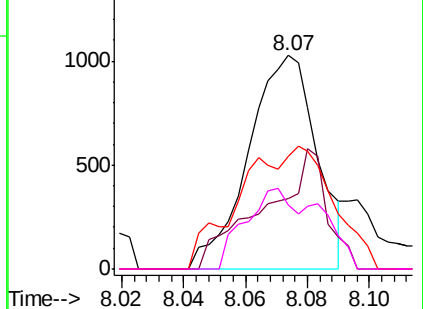


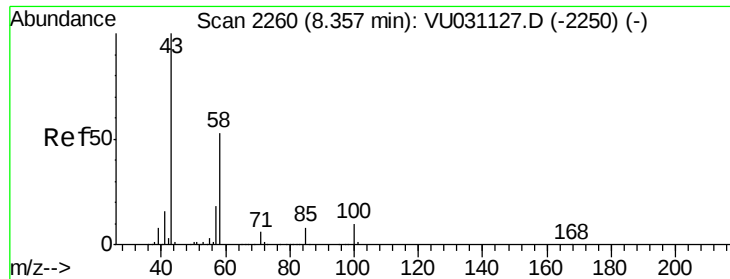
Abundance Ion 97.00 (96.70 to 97.70): VU031127.D (-2155) (-)

Ion 99.00 (98.70 to 99.70): VU031127.D (-2155) (-)

Ion 83.00 (82.70 to 83.70): VU031127.D (-2155) (-)

Ion 85.00 (84.70 to 85.70): VU031127.D (-2155) (-)

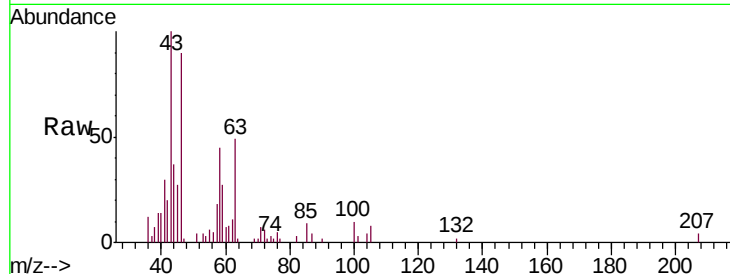




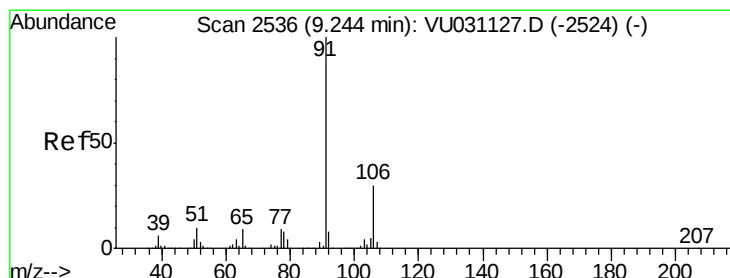
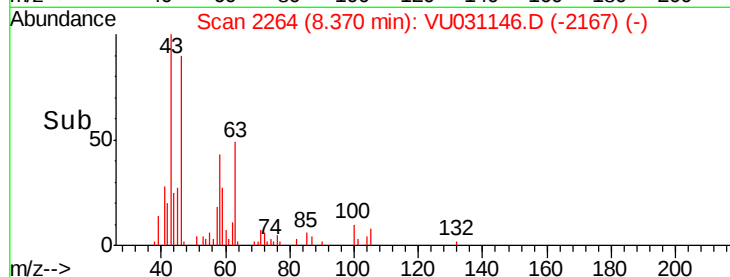
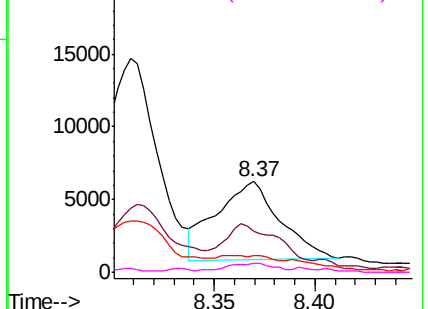
#48
2-Hexanone
Concen: 1.988 ug/L
RT: 8.37 min Scan# 2264
Delta R.T. 0.01 min
Lab File: VU031146.D
Acq: 12 Apr 2019 22:03

Instrument :
MSVOA_U
ClientSampleId :
BFC36

Tgt Ion: 43 Resp: 11852
Ion Ratio Lower Upper
43 100
58 40.3 41.9 62.9#
57 2.1 14.3 21.5#
100 7.4 7.1 10.7

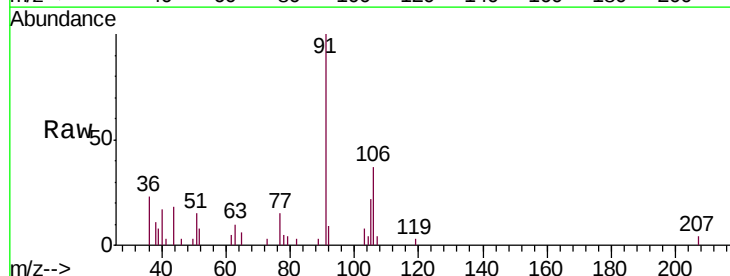


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

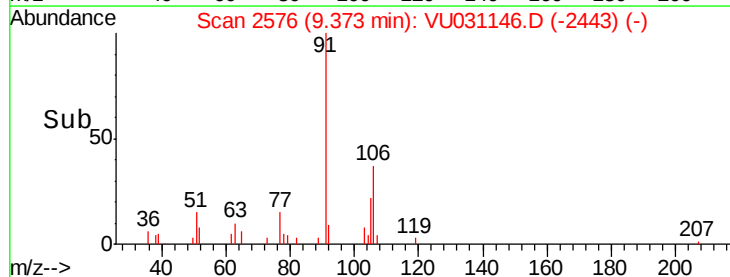
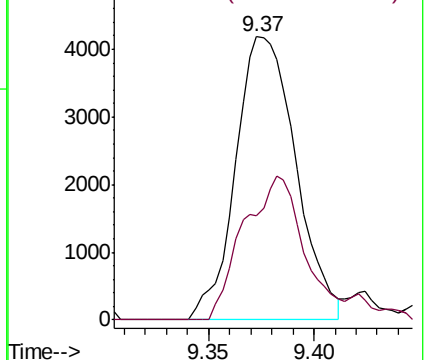


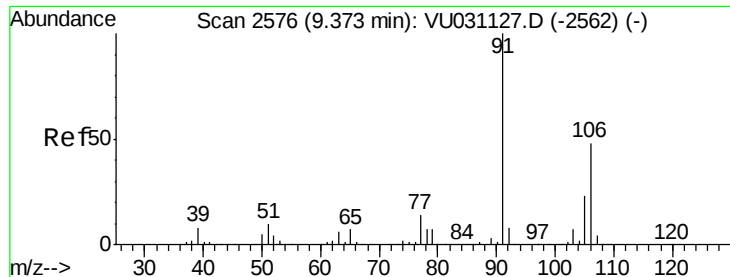
#52
Ethylbenzene
Concen: 0.445 ug/L
RT: 9.37 min Scan# 2576
Delta R.T. 0.13 min
Lab File: VU031146.D
Acq: 12 Apr 2019 22:03

Tgt Ion: 91 Resp: 8305
Ion Ratio Lower Upper
91 100
106 37.0 20.4 37.8



Abundance Ion 91.00 (90.70 to 91.70): VU0
Ion 106.00 (105.70 to 106.70): VU0





#53

m,p-Xylene

Concen: 0.653 ug/L

RT: 9.38 min Scan# 2579

Delta R.T. 0.01 min

Lab File: VU031146.D

Acq: 12 Apr 2019 22:03

Instrument :

MSVOA_U

ClientSampleId :

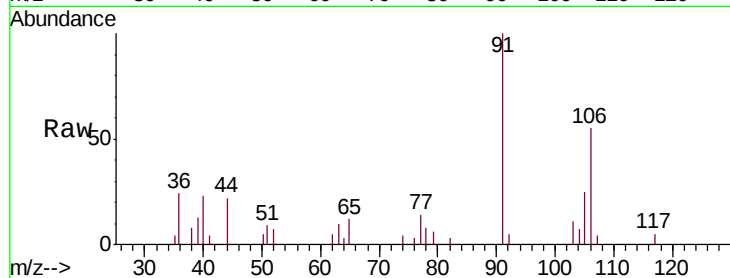
BFC36

Tgt Ion:106 Resp: 4256

Ion Ratio Lower Upper

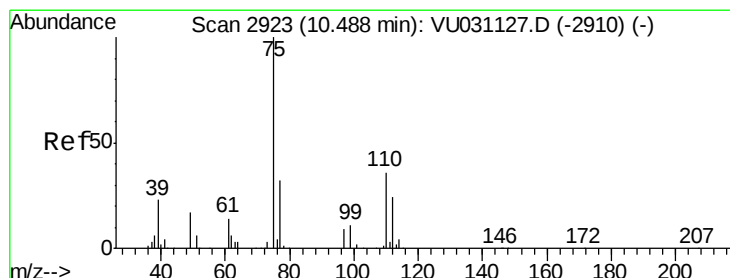
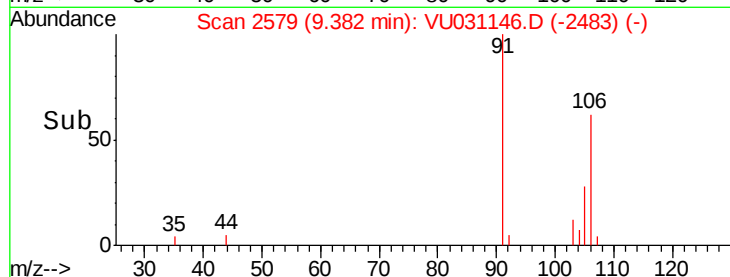
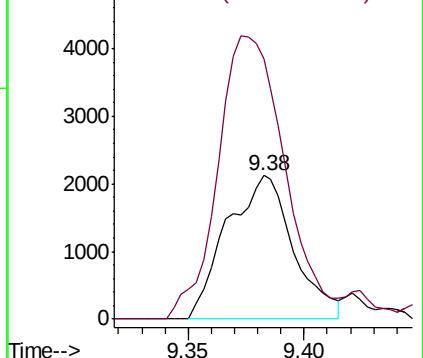
106 100

91 180.8 148.0 274.8



Abundance Ion 106.00 (105.70 to 106.70): VU031127.D (-2562) (-)

Ion 91.00 (90.70 to 91.70): VU031127.D (-2562) (-)



#59

1,2,3-Trichloropropane

Concen: 4.307 ug/L

RT: 11.48 min Scan# 3231

Delta R.T. 0.99 min

Lab File: VU031146.D

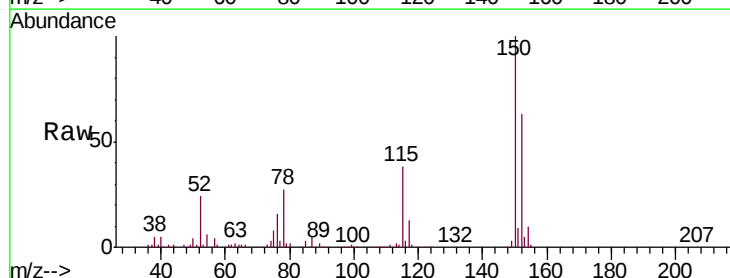
Acq: 12 Apr 2019 22:03

Tgt Ion: 75 Resp: 24514

Ion Ratio Lower Upper

75 100

77 37.9 26.1 39.1



Abundance Ion 75.00 (74.70 to 75.70): VU031127.D (-2910) (-)

Ion 77.00 (76.70 to 77.70): VU031127.D (-2910) (-)

