

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041919\
 Data File : VU031312.D
 Acq On : 18 Apr 2019 17:18
 Operator : JC/SP
 Sample : K2451-01
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 YAMX0

Quant Time: Apr 19 04:42:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR041919WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Apr 19 04:38:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	191708	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	192005	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	86014	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	98656	4.56	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	91.20%
7) Chloroethane-d5	1.68	69	81748	4.75	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.00%
11) 1,1-Dichloroethene-d2	2.27	63	150890	3.56	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	71.20%
20) 2-Butanone-d5	4.20	46	210697	50.99	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	101.98%
24) Chloroform-d	4.64	84	135506	5.02	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.40%
26) 1,2-Dichloroethane-d4	5.31	65	75752	5.19	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.80%
32) Benzene-d6	5.34	84	254146	4.75	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.00%
36) 1,2-Dichloropropane-d6	6.33	67	84095	5.00	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.00%
41) Toluene-d8	7.56	98	212202	4.44	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.80%
43) trans-1,3-Dichloropropene-	7.85	79	37973	5.64	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	112.80%
46) 2-Hexanone-d5	8.32	63	155055	49.79	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.58%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	70208	4.98	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.60%
64) 1,2-Dichlorobenzene-d4	11.86	152	95042	5.67	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	113.40%

Target Compounds

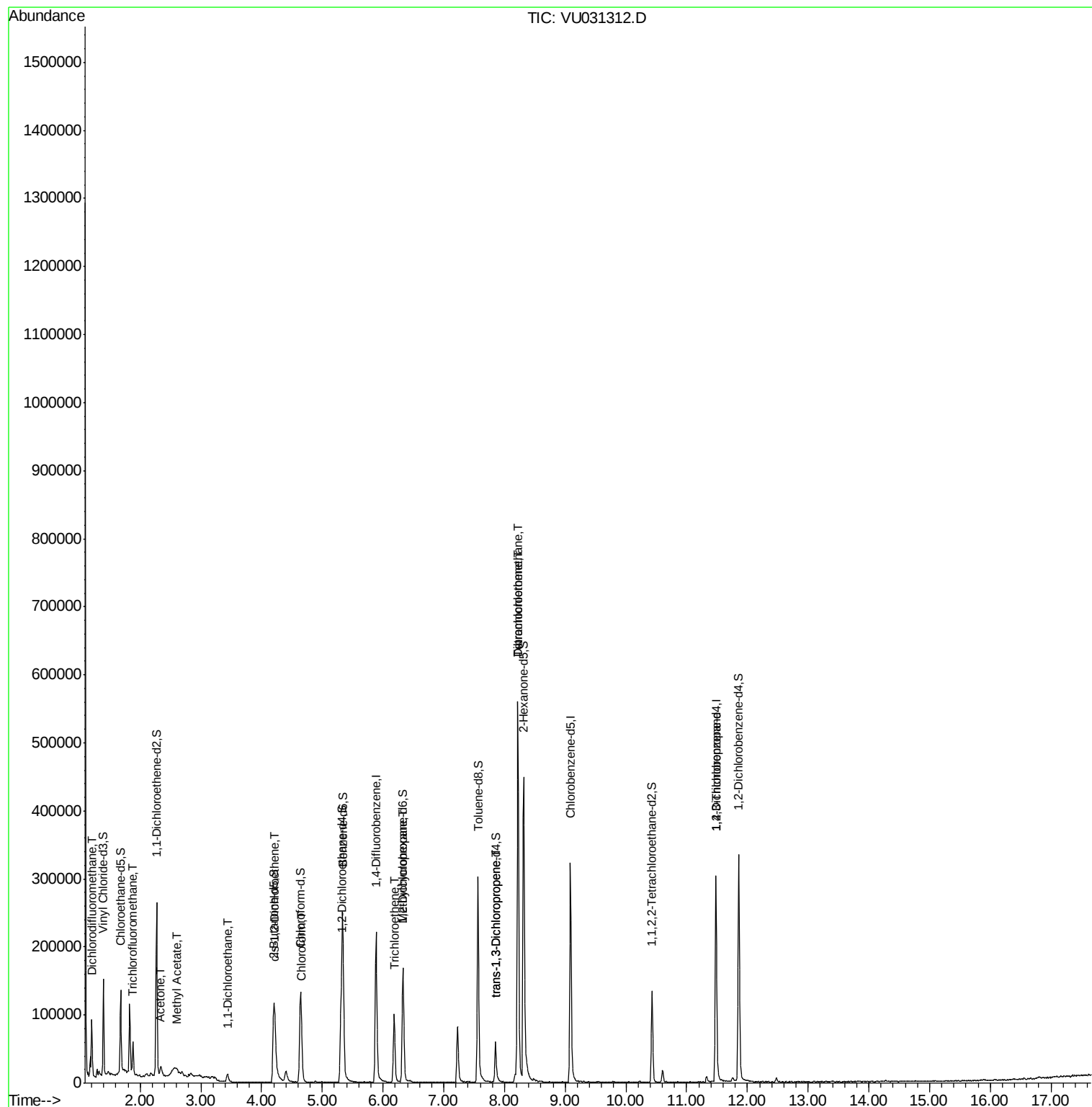
					Qvalue
2) Dichlorodifluoromethane	1.20	85	47761	2.166 ug/L	100
9) Trichlorofluoromethane	1.88	101	26827	0.702 ug/L	97
13) Acetone	2.34	43	17959	3.907 ug/L	97
15) Methyl Acetate	2.61	43	1797	0.143 ug/L #	84
19) 1,1-Dichloroethane	3.44	63	12549	0.414 ug/L	95
22) cis-1,2-Dichloroethene	4.22	96	9581	0.571 ug/L	76
25) Chloroform	4.67	83	7948	0.266 ug/L	82
34) Trichloroethene	6.18	95	35508	2.016 ug/L	94
35) Methylcyclohexane	6.33	83	19656	0.810 ug/L #	14
44) trans-1,3-Dichloropropene	7.85	75	1706	0.090 ug/L #	65
47) Tetrachloroethene	8.22	164	136429	10.394 ug/L	97
49) Dibromochloromethane	8.22	129	126722	8.652 ug/L #	11
59) 1,2,3-Trichloropropane	11.48	75	11287	1.007 ug/L	100

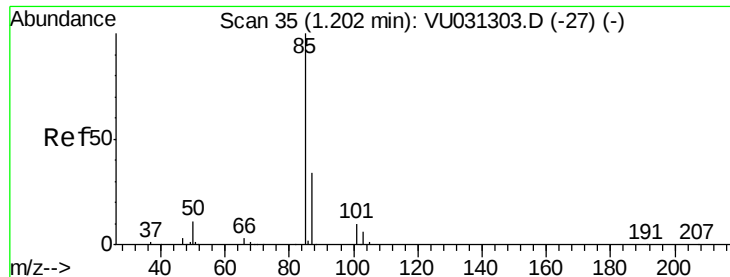
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 2.166 ug/L

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU031312.D

Acq: 18 Apr 2019 17:18

Instrument :

MSVOA_U

ClientSampleId :

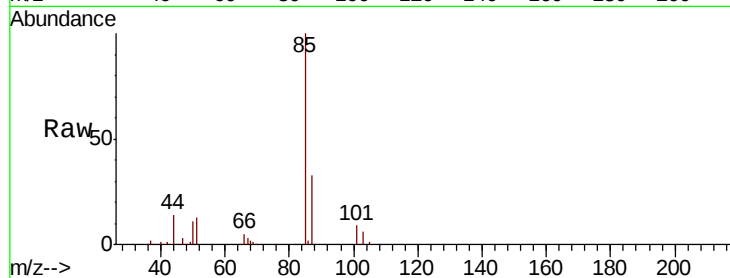
YAMX0

Tgt Ion: 85 Resp: 47761

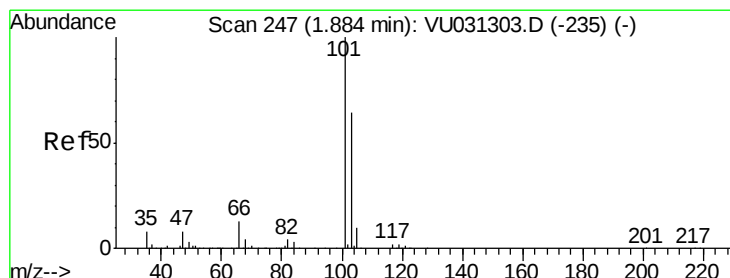
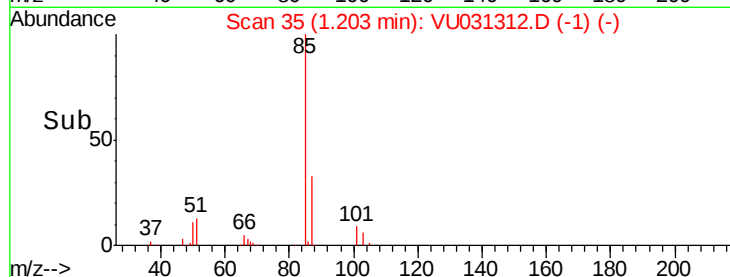
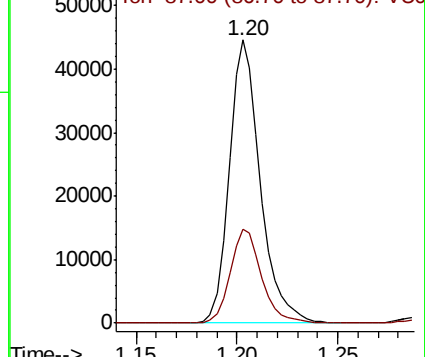
Ion Ratio Lower Upper

85 100

87 33.3 26.8 40.2



Abundance Ion 85.00 (84.70 to 85.70): VU031312.D (-1) (-)



#9

Trichlorofluoromethane

Concen: 0.702 ug/L

RT: 1.88 min Scan# 246

Delta R.T. -0.00 min

Lab File: VU031312.D

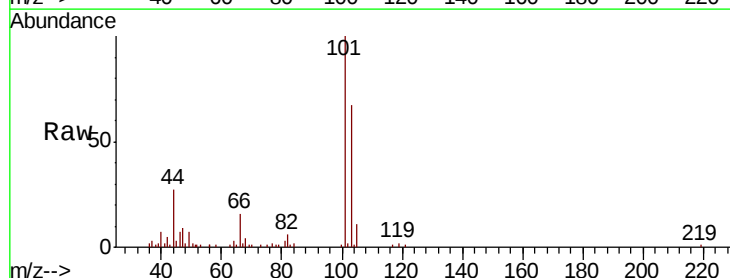
Acq: 18 Apr 2019 17:18

Tgt Ion: 101 Resp: 26827

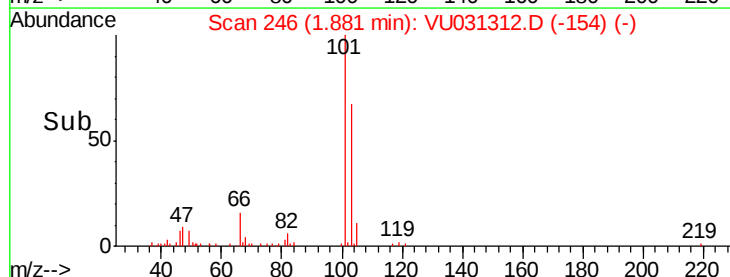
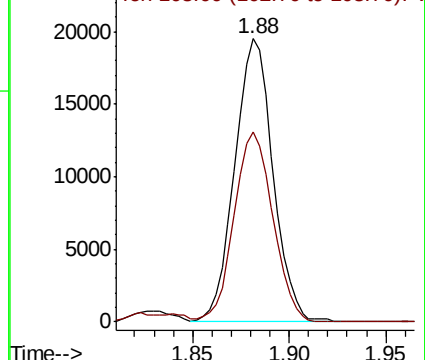
Ion Ratio Lower Upper

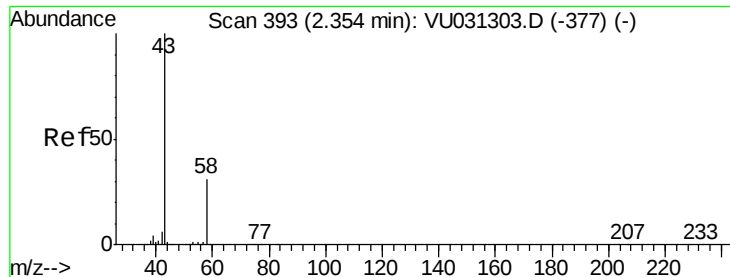
101 100

103 67.9 52.3 78.5



Abundance Ion 101.00 (100.70 to 101.70): VU031312.D (-154) (-)





#13

Acetone

Concen: 3.907 ug/L

RT: 2.34 min Scan# 389

Delta R.T. -0.02 min

Lab File: VU031312.D

Acq: 18 Apr 2019 17:18

Instrument :

MSVOA_U

ClientSampleId :

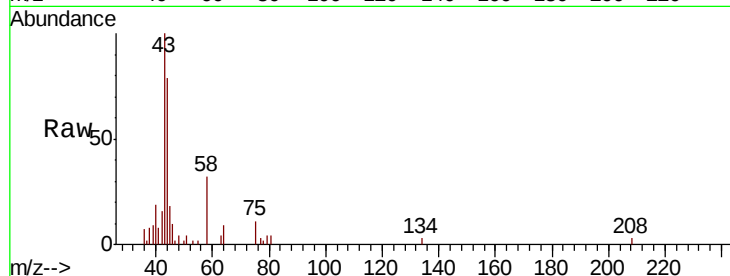
YAMX0

Tgt Ion: 43 Resp: 17959

Ion Ratio Lower Upper

43 100

58 30.6 0.0 64.4



Abundance Ion 43.05 (42.75 to 43.75): VU031303.D (-377) (-)

Ion 58.05 (57.75 to 58.75): VU031303.D (-377) (-)

2.34

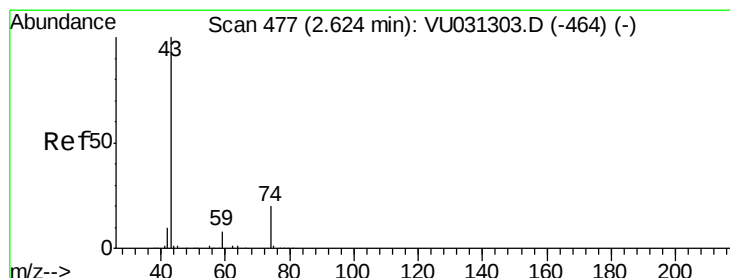
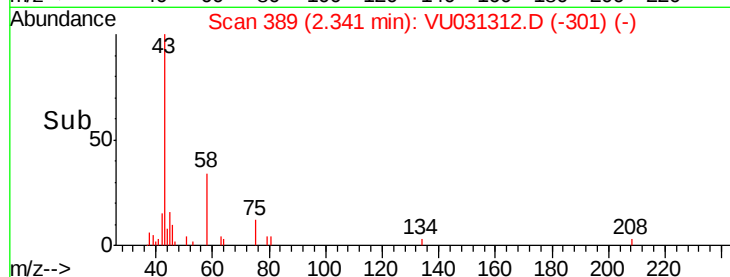
6000

4000

2000

0

Time--> 2.25 2.30 2.35 2.40



#15

Methyl Acetate

Concen: 0.143 ug/L

RT: 2.61 min Scan# 473

Delta R.T. -0.01 min

Lab File: VU031312.D

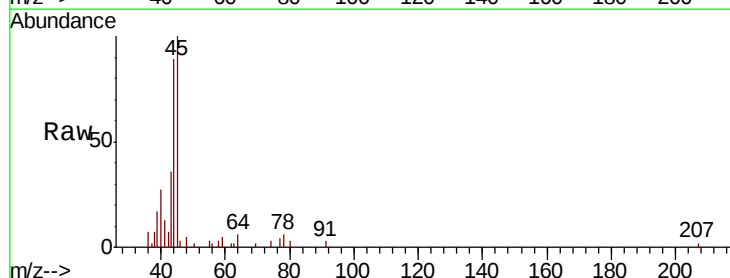
Acq: 18 Apr 2019 17:18

Tgt Ion: 43 Resp: 1797

Ion Ratio Lower Upper

43 100

74 13.2 16.7 25.1#



Abundance Ion 43.05 (42.75 to 43.75): VU031303.D (-464) (-)

Ion 74.05 (73.75 to 74.75): VU031303.D (-464) (-)

2.61

2500

2000

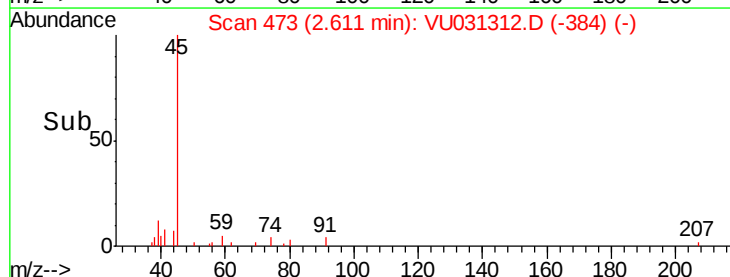
1500

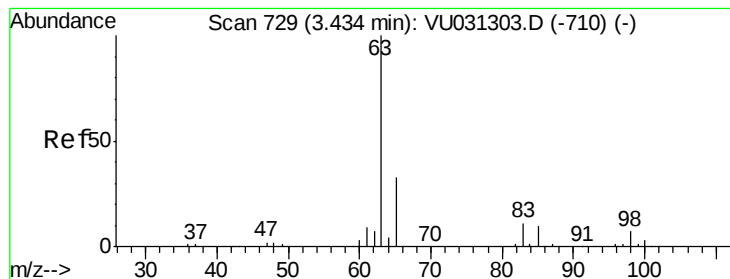
1000

500

0

Time--> 2.58 2.60 2.62 2.64 2.66





#19

1,1-Dichloroethane

Concen: 0.414 ug/L

RT: 3.44 min Scan# 730

Delta R.T. 0.00 min

Lab File: VU031312.D

Acq: 18 Apr 2019 17:18

Instrument :

MSVOA_U

ClientSampleId :

YAMX0

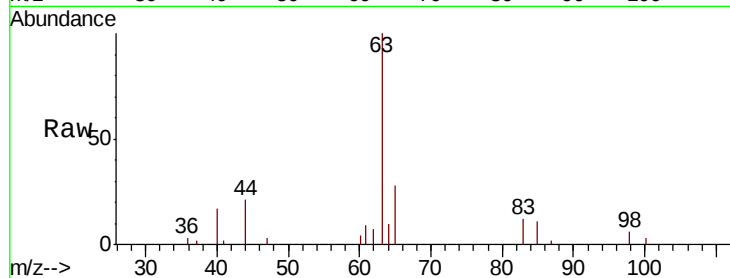
Tgt Ion: 63 Resp: 12549

Ion Ratio Lower Upper

63 100

65 28.2 22.0 41.0

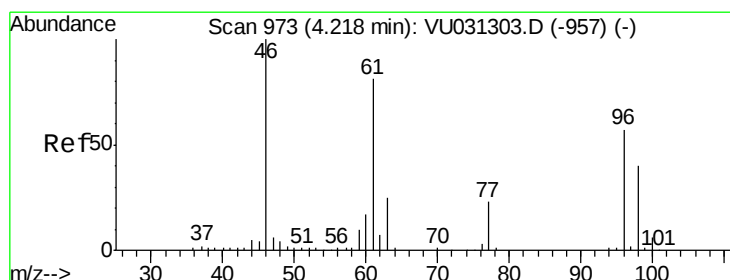
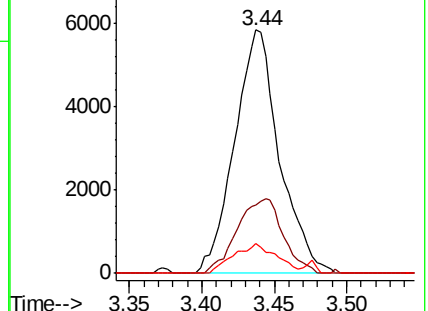
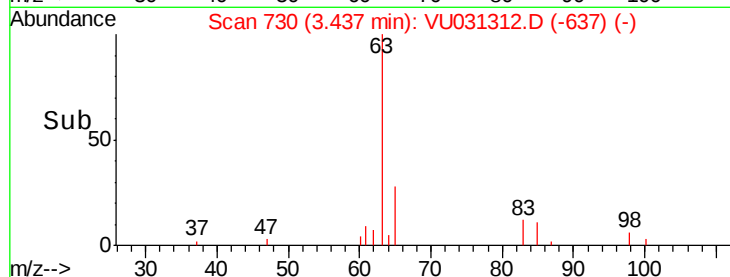
83 12.1 9.2 17.2



Abundance Ion 63.10 (62.80 to 63.80): VU031312.D (-637) (-)

Ion 65.10 (64.80 to 65.80): VU031312.D (-637) (-)

Ion 83.05 (82.75 to 83.75): VU031312.D (-637) (-)



#22

cis-1,2-Dichloroethene

Concen: 0.571 ug/L

RT: 4.22 min Scan# 974

Delta R.T. 0.00 min

Lab File: VU031312.D

Acq: 18 Apr 2019 17:18

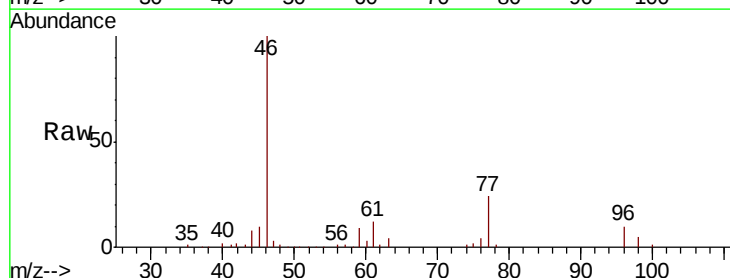
Tgt Ion: 96 Resp: 9581

Ion Ratio Lower Upper

96 100

61 117.4 103.5 192.1

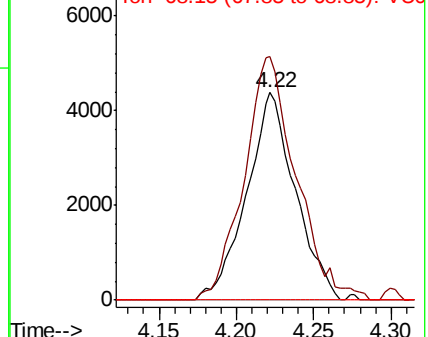
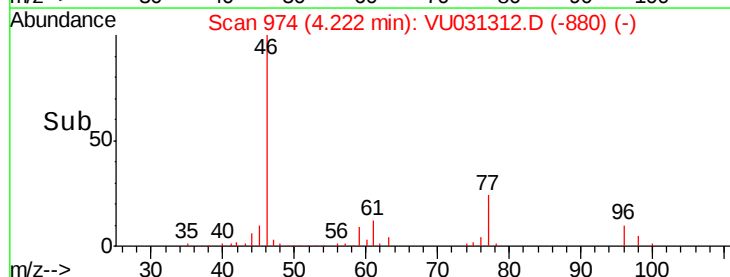
68 0.0 0.0 0.0

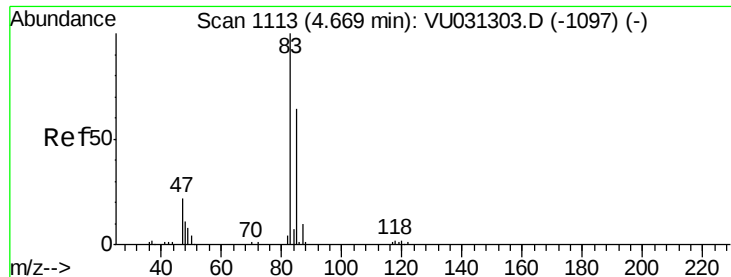


Abundance Ion 96.00 (95.70 to 96.70): VU031312.D (-880) (-)

Ion 61.05 (60.75 to 61.75): VU031312.D (-880) (-)

Ion 68.15 (67.85 to 68.85): VU031312.D (-880) (-)





#25

Chloroform

Concen: 0.266 ug/L

RT: 4.67 min Scan# 1113

Delta R.T. 0.00 min

Lab File: VU031312.D

Acq: 18 Apr 2019 17:18

Instrument :

MSVOA_U

ClientSampleId :

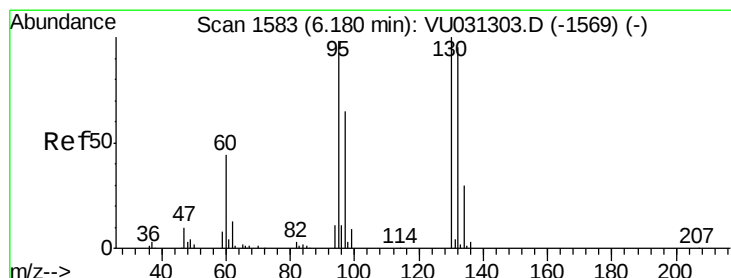
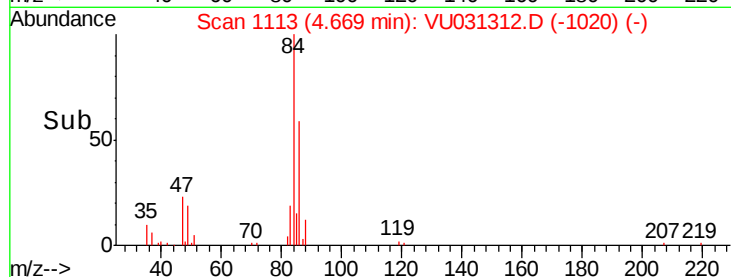
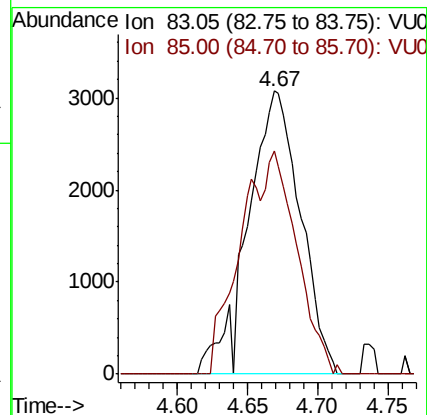
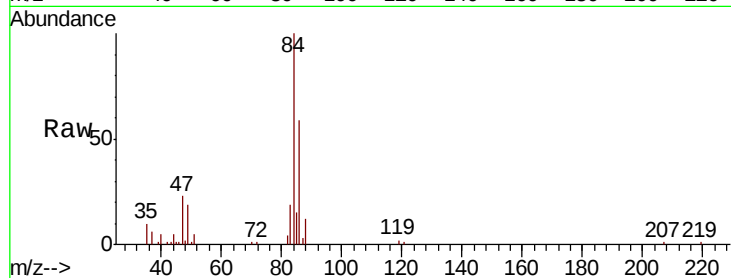
YAMX0

Tgt Ion: 83 Resp: 7948

Ion Ratio Lower Upper

83 100

85 79.0 45.4 84.4



#34

Trichloroethene

Concen: 2.016 ug/L

RT: 6.18 min Scan# 1584

Delta R.T. 0.00 min

Lab File: VU031312.D

Acq: 18 Apr 2019 17:18

Tgt Ion: 95 Resp: 35508

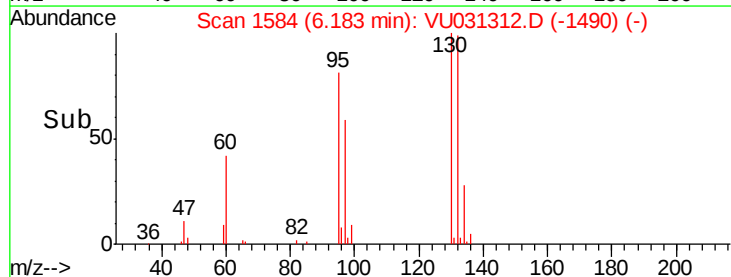
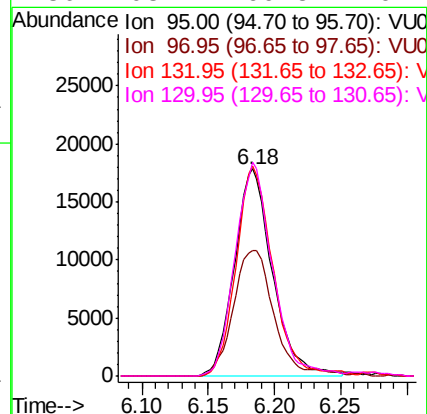
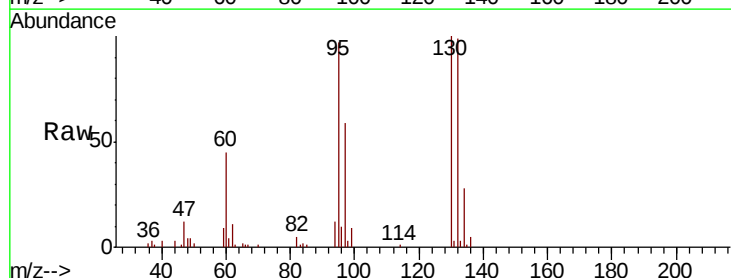
Ion Ratio Lower Upper

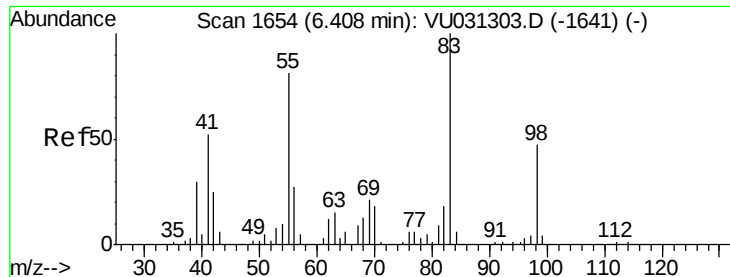
95 100

97 60.8 46.8 86.8

132 101.6 65.8 122.2

130 103.1 69.5 129.1

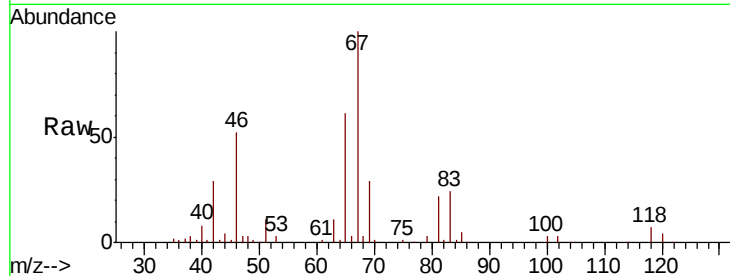




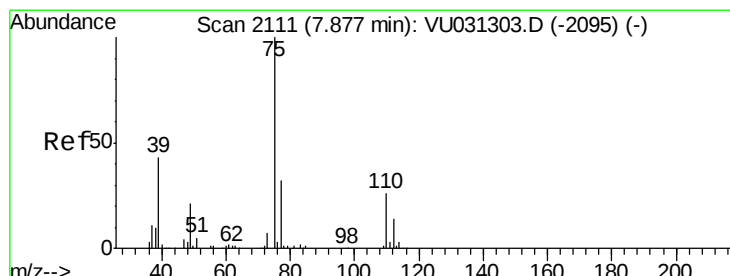
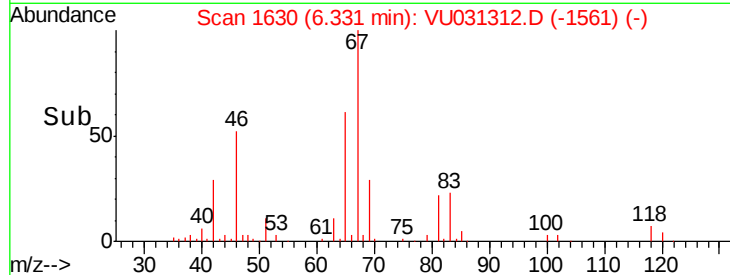
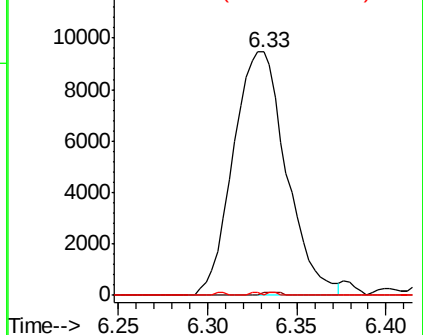
#35
Methylcyclohexane
Concen: 0.810 ug/L
RT: 6.33 min Scan# 1630
Delta R.T. -0.08 min
Lab File: VU031312.D
Acq: 18 Apr 2019 17:18

Instrument :
MSVOA_U
ClientSampleId :
YAMX0

Tgt Ion: 83 Resp: 19656
Ion Ratio Lower Upper
83 100
55 0.4 70.6 105.8#
98 0.2 37.0 55.4#

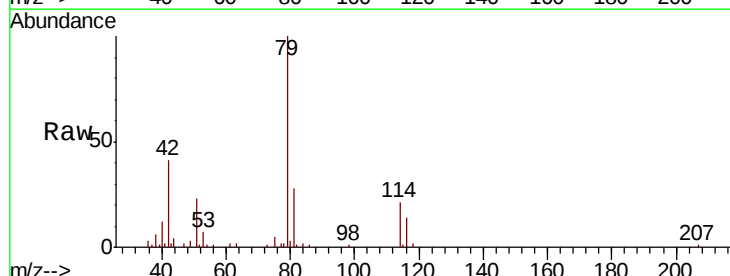


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

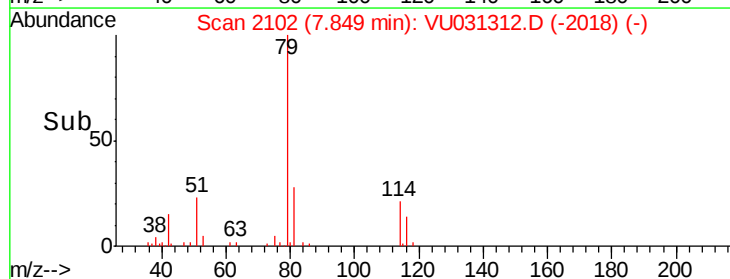
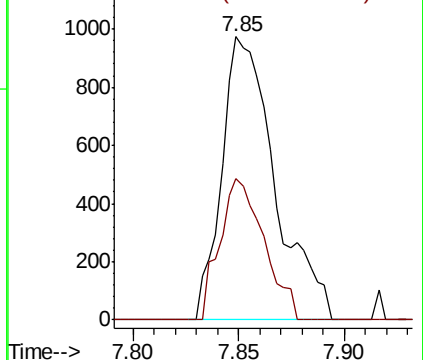


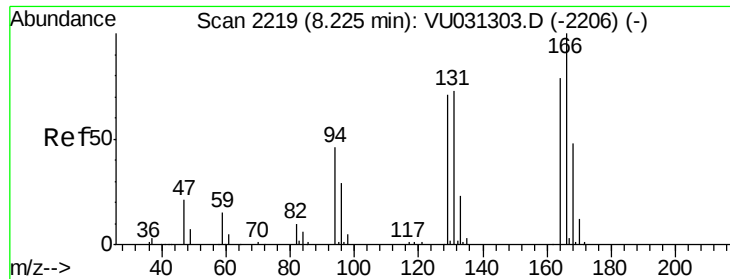
#44
trans-1,3-Dichloropropene
Concen: 0.090 ug/L
RT: 7.85 min Scan# 2102
Delta R.T. -0.03 min
Lab File: VU031312.D
Acq: 18 Apr 2019 17:18

Tgt Ion: 75 Resp: 1706
Ion Ratio Lower Upper
75 100
77 49.9 21.6 40.0#



Abundance Ion 75.05 (74.75 to 75.75): VU0
Ion 77.05 (76.75 to 77.75): VU0





#47

Tetrachloroethene

Concen: 10.394 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. 0.00 min

Lab File: VU031312.D

Acq: 18 Apr 2019 17:18

Instrument :

MSVOA_U

ClientSampled :

YAMX0

Tgt Ion:164 Resp: 136429

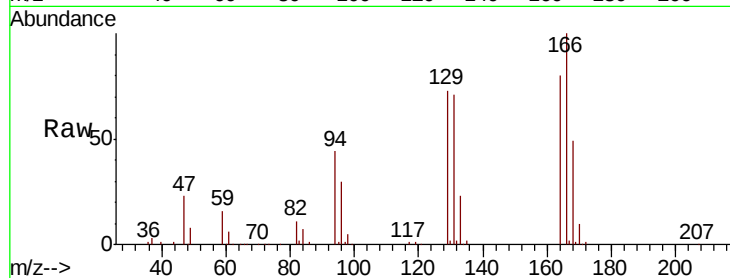
Ion Ratio Lower Upper

164 100

129 92.2 61.9 114.9

131 89.0 61.5 114.3

166 125.6 84.6 157.0

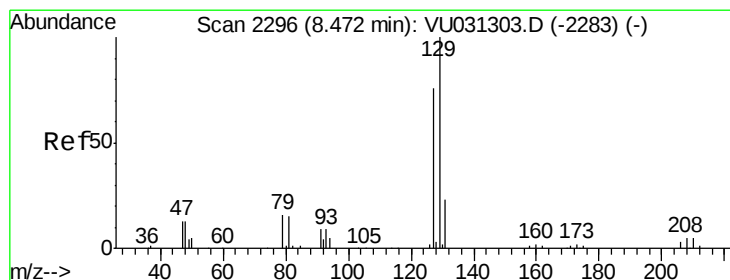
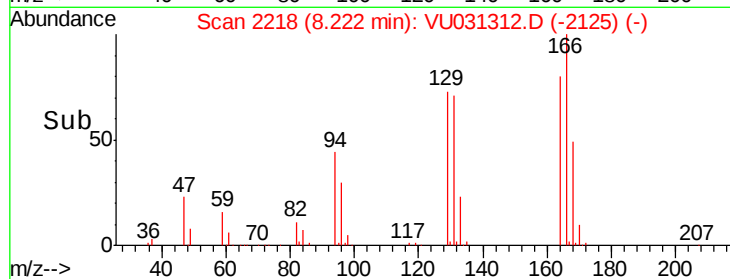
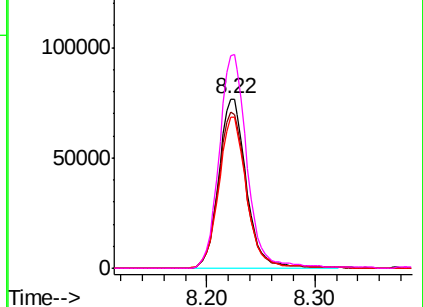


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V



#49

Dibromochloromethane

Concen: 8.652 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. -0.25 min

Lab File: VU031312.D

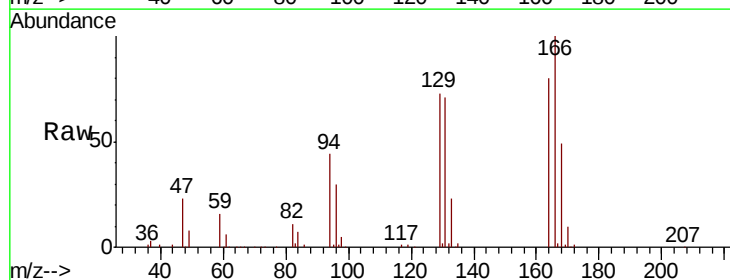
Acq: 18 Apr 2019 17:18

Tgt Ion:129 Resp: 126722

Ion Ratio Lower Upper

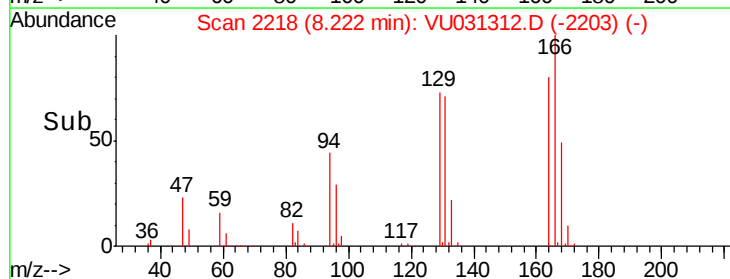
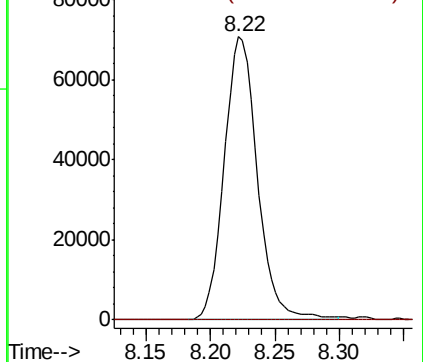
129 100

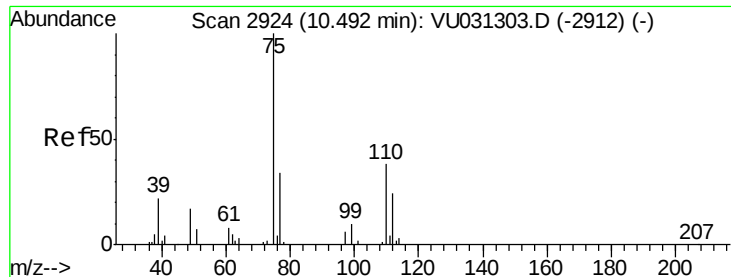
127 0.0 53.3 99.1#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V





#59

1,2,3-Trichloropropane

Concen: 1.007 ug/L

RT: 11.48 min Scan# 3231

Delta R.T. 0.99 min

Lab File: VU031312.D

Acq: 18 Apr 2019 17:18

Instrument :

MSVOA_U

ClientSampleId :

YAMX0

Tgt Ion: 75 Resp: 11287

Ion Ratio Lower Upper

75 100

77 33.8 27.0 40.6

