

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041919\
 Data File : VU031342.D
 Acq On : 19 Apr 2019 07:16
 Operator : JC/SP
 Sample : K2451-18
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Apr 19 08:43:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR041919WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Apr 19 07:47:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	231025	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	228999	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	80739	5.00	ug/L	0.00

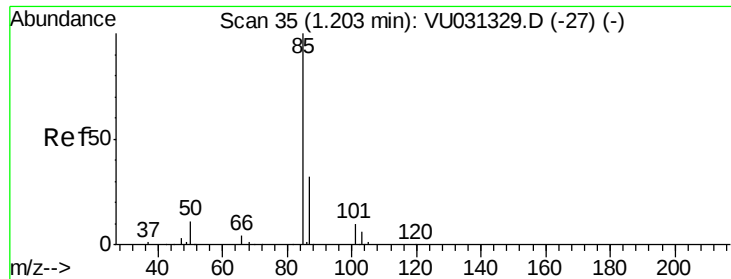
System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	88757	3.41	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	68.20%
7) Chloroethane-d5	1.68	69	75471	3.64	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	72.80%
11) 1,1-Dichloroethene-d2	2.27	63	135115	2.64	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	52.80%#
20) 2-Butanone-d5	4.20	46	275637	55.36	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	110.72%
24) Chloroform-d	4.64	84	165900	5.10	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.00%
26) 1,2-Dichloroethane-d4	5.31	65	93255	5.30	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.00%
32) Benzene-d6	5.33	84	304870	4.78	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.60%
36) 1,2-Dichloropropane-d6	6.33	67	110543	5.52	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	110.40%
41) Toluene-d8	7.56	98	244728	4.29	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.80%
43) trans-1,3-Dichloropropene-	7.85	79	33328	4.15	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.00%
46) 2-Hexanone-d5	8.31	63	177822	47.88	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.76%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	86882	5.16	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.20%
64) 1,2-Dichlorobenzene-d4	11.86	152	86791	5.51	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	110.20%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.20	85	6787	0.255	ug/L	93
3) Chloromethane	1.32	50	5514	0.153	ug/L	99
9) Trichlorofluoromethane	2.08	101	757061	16.430	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.08	101	757061	30.409	ug/L #	20
12) 1,1-Dichloroethene	2.28	96	2799	0.113	ug/L #	1
13) Acetone	2.34	43	27308	4.930	ug/L	98
17) Methyl tert-butyl Ether	3.00	73	12839	0.193	ug/L #	90
22) cis-1,2-Dichloroethene	4.23	96	1921	0.095	ug/L	78
25) Chloroform	4.67	83	8174	0.227	ug/L	89
35) Methylcyclohexane	6.32	83	23603	0.816	ug/L #	15
47) Tetrachloroethene	8.23	164	2025	0.129	ug/L	91
49) Dibromochloromethane	8.22	129	1874	0.107	ug/L #	11
59) 1,2,3-Trichloropropane	11.48	75	8999	0.673	ug/L	92

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



#2

Dichlorodifluoromethane

Concen: 0.255 ug/L

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU031342.D

Acq: 19 Apr 2019 07:16

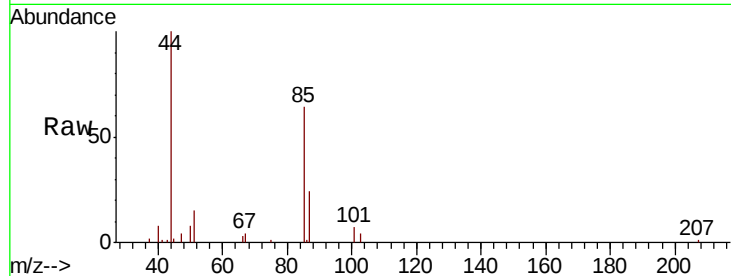
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 85 Resp: 6787

Ion Ratio Lower Upper

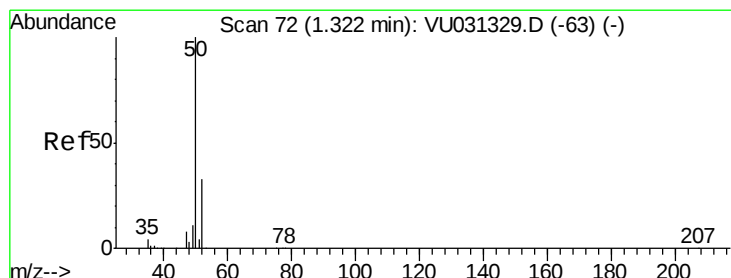
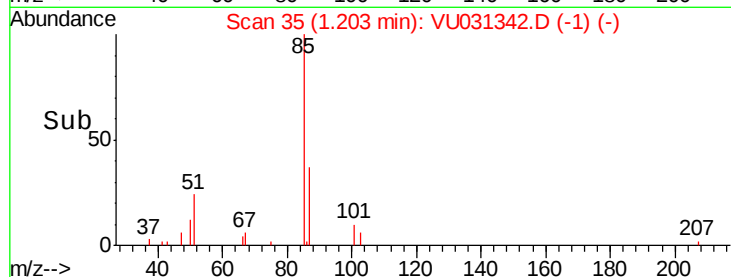
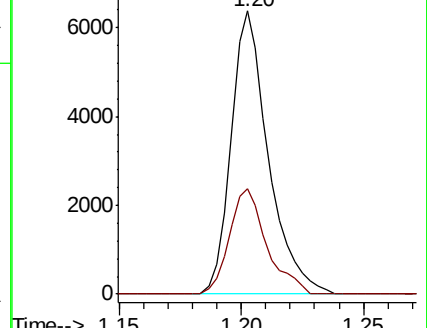
85 100

87 37.4 26.8 40.2



Abundance Ion 85.00 (84.70 to 85.70): VU031329.D (-27) (-)

Ion 87.00 (86.70 to 87.70): VU031329.D (-27) (-)



#3

Chloromethane

Concen: 0.153 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU031342.D

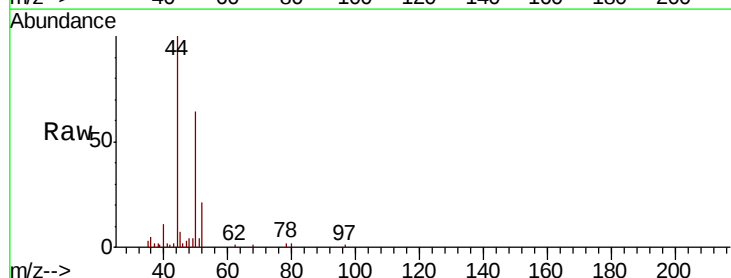
Acq: 19 Apr 2019 07:16

Tgt Ion: 50 Resp: 5514

Ion Ratio Lower Upper

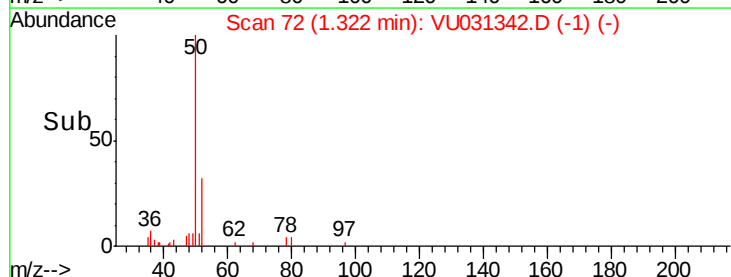
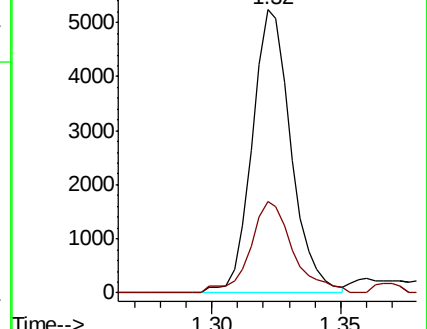
50 100

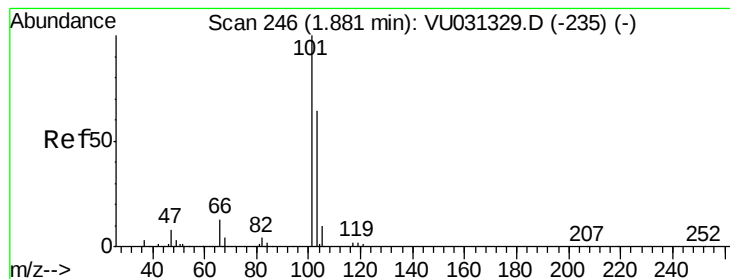
52 32.4 23.2 43.2



Abundance Ion 50.05 (49.75 to 50.75): VU031329.D (-63) (-)

Ion 52.05 (51.75 to 52.75): VU031329.D (-63) (-)



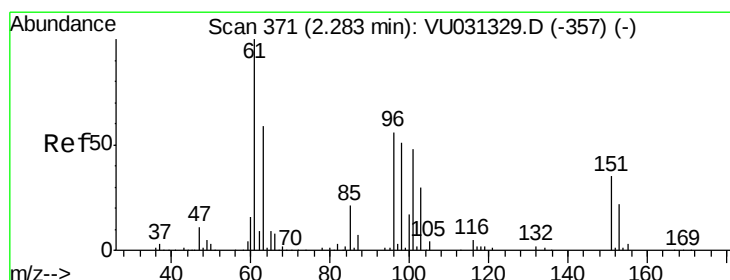
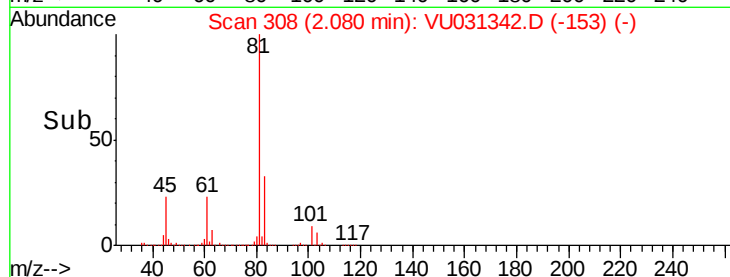
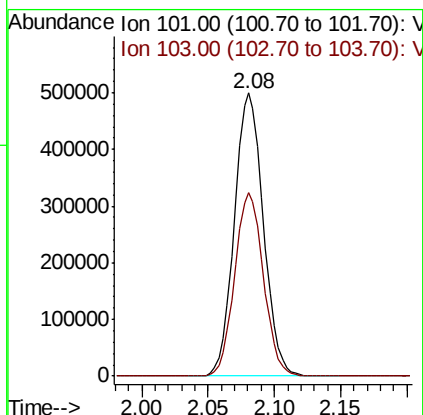
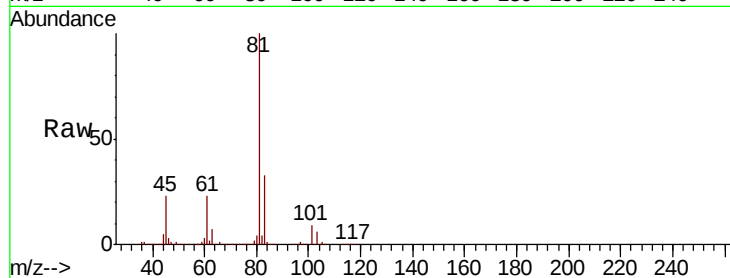


#9

Trichlorofluoromethane
 Concen: 16.430 ug/L
 RT: 2.08 min Scan# 308
 Delta R.T. 0.20 min
 Lab File: VU031342.D
 Acq: 19 Apr 2019 07:16

Instrument :
 MSVOA_U
 ClientSampleId :

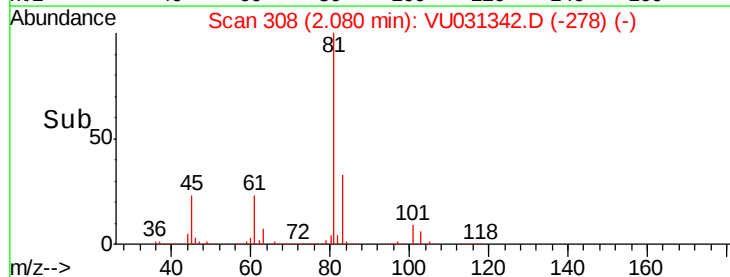
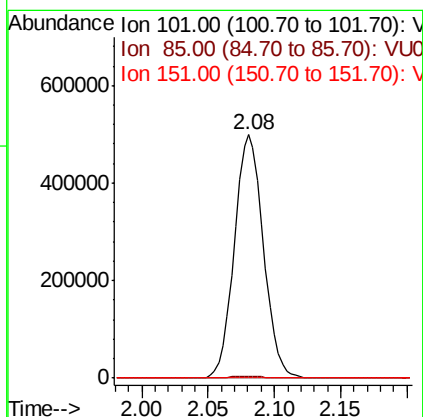
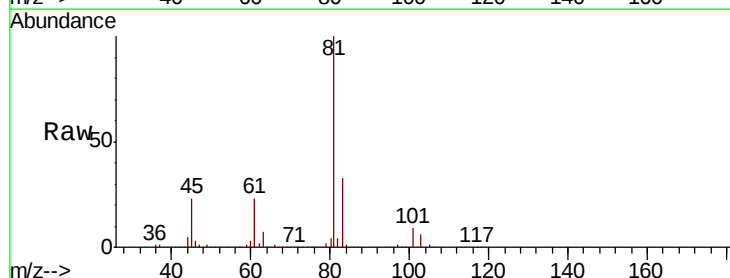
Tot Ion:101 Resp: 757061
 Ion Ratio Lower Upper
 101 100
 103 64.3 52.3 78.5

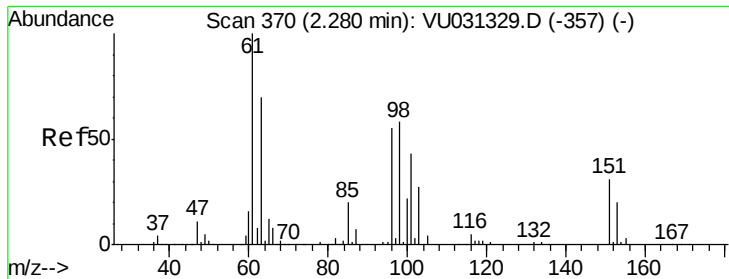


#10

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 30.409 ug/L
 RT: 2.08 min Scan# 308
 Delta R.T. -0.20 min
 Lab File: VU031342.D
 Acq: 19 Apr 2019 07:16

Tgt Ion:101 Resp: 757061
 Ion Ratio Lower Upper
 101 100
 85 0.9 37.2 55.8#
 151 0.0 58.9 88.3#





#12

1,1-Dichloroethene

Concen: 0.113 ug/L

RT: 2.28 min Scan# 370

Delta R.T. 0.00 min

Lab File: VU031342.D

Acq: 19 Apr 2019 07:16

Instrument :

MSVOA_U

ClientSampleId :

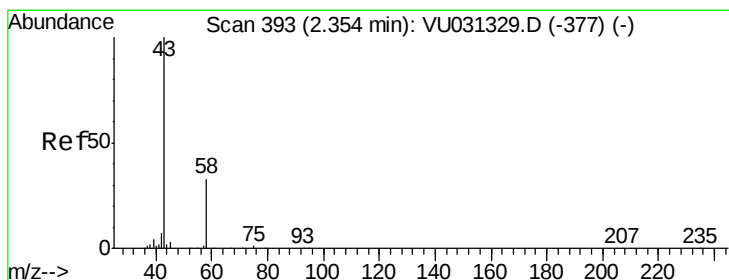
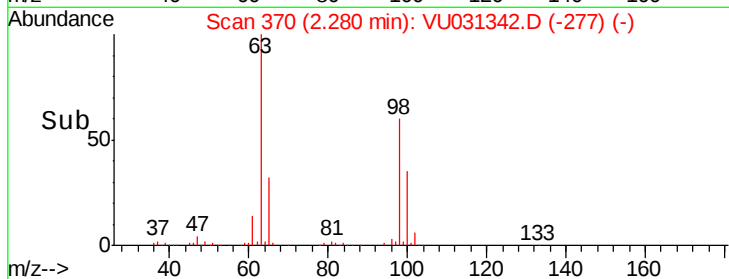
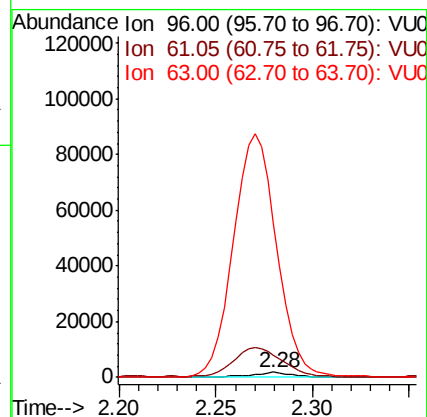
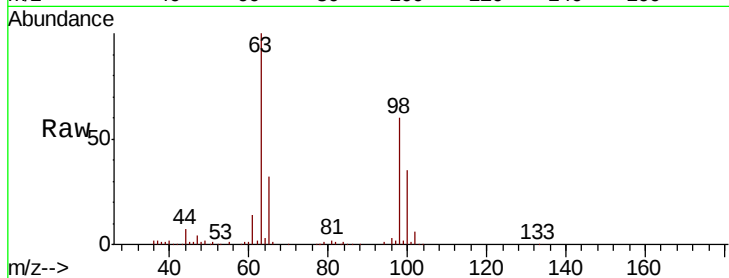
Tot Ion: 96 Resp: 2799

Ion Ratio Lower Upper

96 100

61 445.0 133.7 248.3#

63 3144.3 100.5 186.7#



#13

Acetone

Concen: 4.930 ug/L

RT: 2.34 min Scan# 389

Delta R.T. -0.01 min

Lab File: VU031342.D

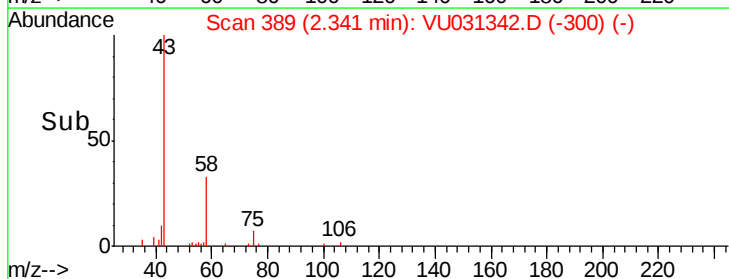
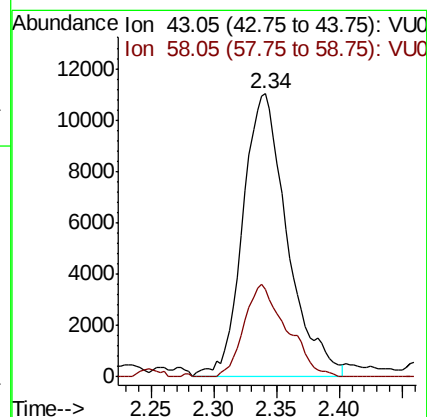
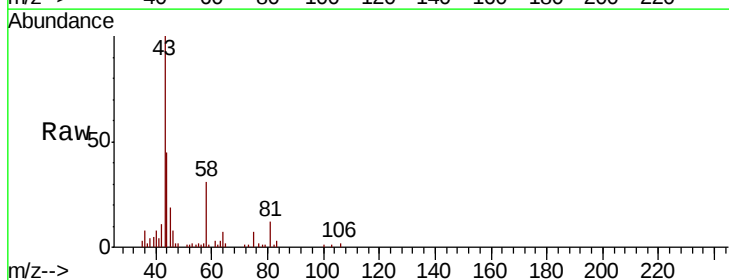
Acq: 19 Apr 2019 07:16

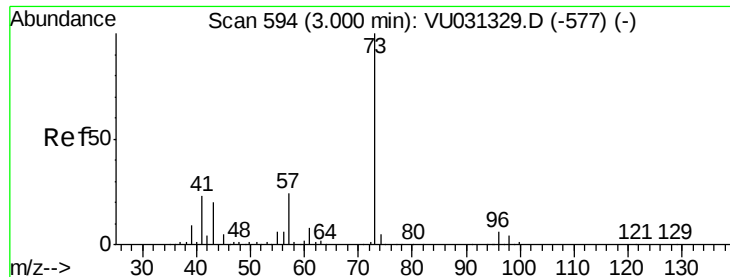
Tgt Ion: 43 Resp: 27308

Ion Ratio Lower Upper

43 100

58 31.2 0.0 64.4

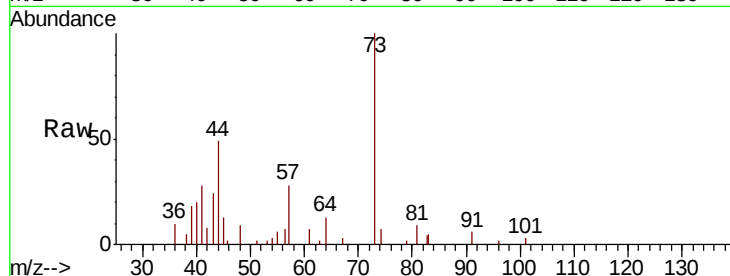




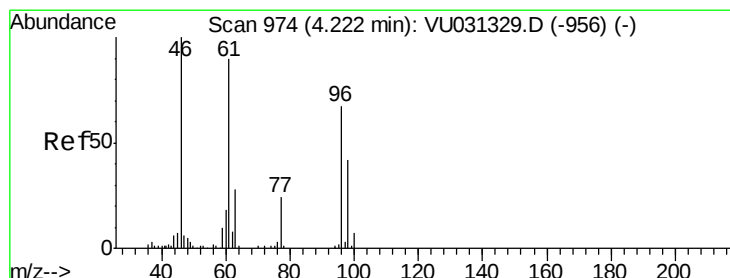
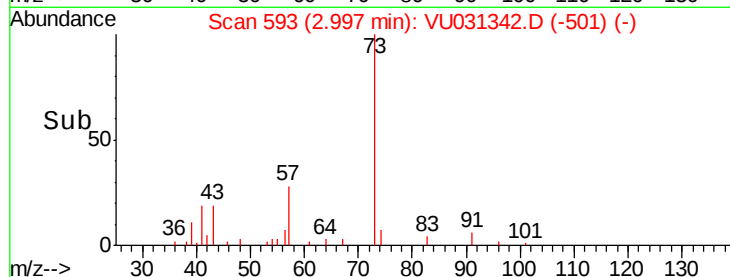
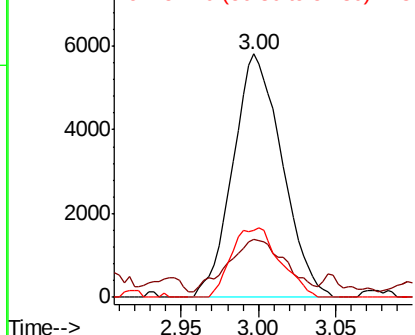
#17
Methvl tert-butvl Ether
Concen: 0.193 ug/L
RT: 3.00 min Scan# 593
Delta R.T. -0.00 min
Lab File: VU031342.D
Acq: 19 Apr 2019 07:16

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 73 Resp: 12839
Ion Ratio Lower Upper
73 100
43 24.9 16.3 24.5#
57 28.2 18.8 28.2

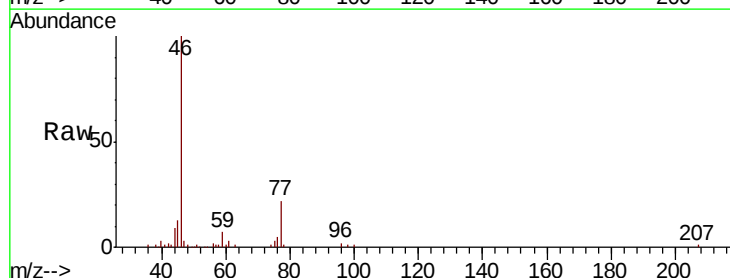


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

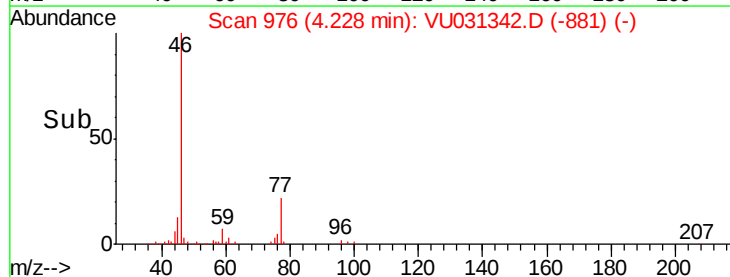
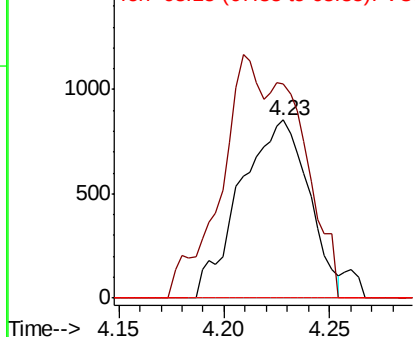


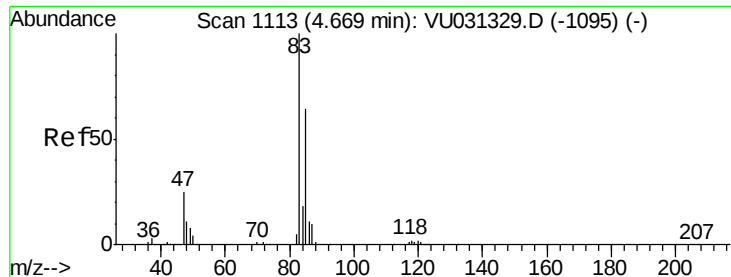
#22
cis-1,2-Dichloroethene
Concen: 0.095 ug/L
RT: 4.23 min Scan# 976
Delta R.T. 0.01 min
Lab File: VU031342.D
Acq: 19 Apr 2019 07:16

Tgt Ion: 96 Resp: 1921
Ion Ratio Lower Upper
96 100
61 120.1 103.5 192.1
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 68.15 (67.85 to 68.85): VU0





#25

Chloroform

Concen: 0.227 ug/L

RT: 4.67 min Scan# 1113

Delta R.T. 0.00 min

Lab File: VU031342.D

Acq: 19 Apr 2019 07:16

Instrument :

MSVOA_U

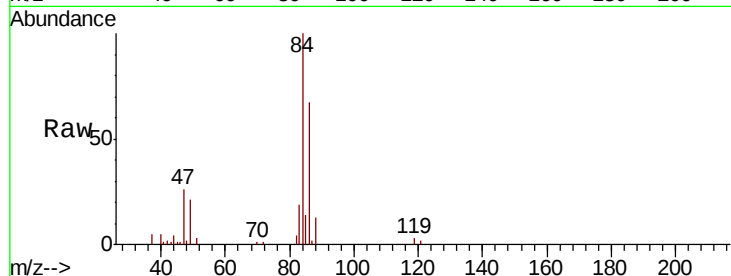
ClientSampleId :

Tot Ion: 83 Resp: 8174

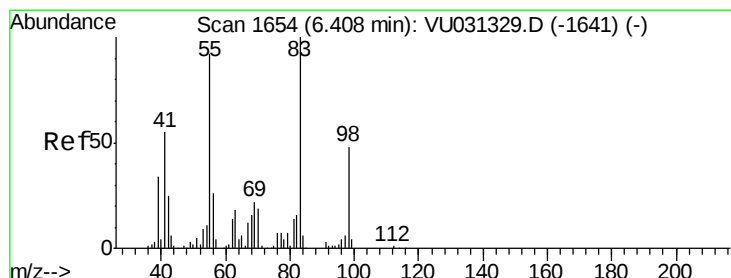
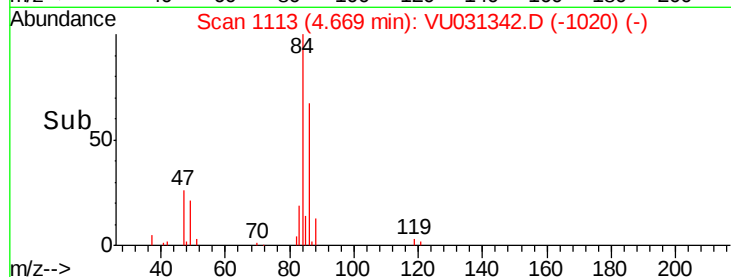
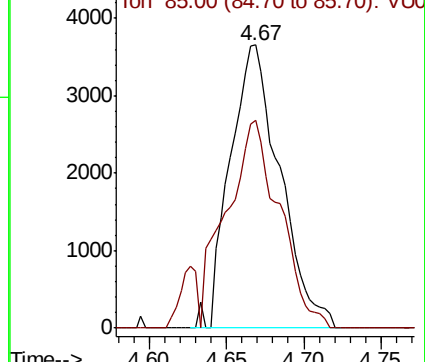
Ion Ratio Lower Upper

83 100

85 73.6 45.4 84.4



Abundance Ion 83.05 (82.75 to 83.75): VU031342.D (-1020) (-)



#35

Methylcyclohexane

Concen: 0.816 ug/L

RT: 6.32 min Scan# 1628

Delta R.T. -0.08 min

Lab File: VU031342.D

Acq: 19 Apr 2019 07:16

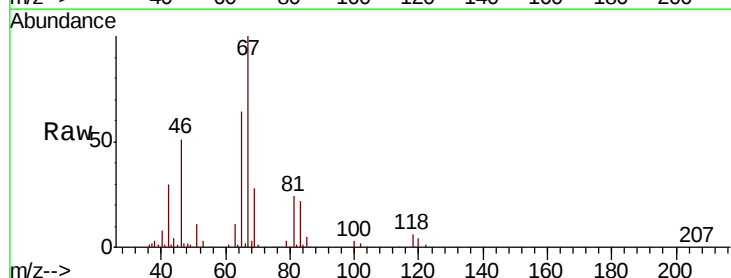
Tgt Ion: 83 Resp: 23603

Ion Ratio Lower Upper

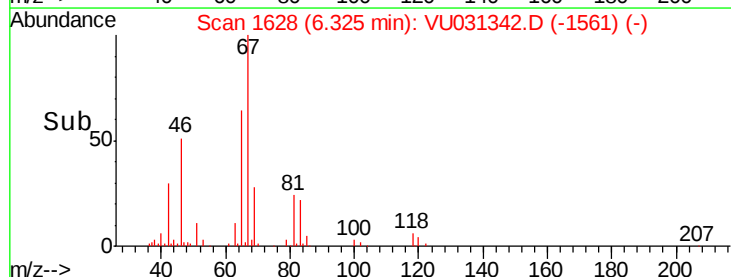
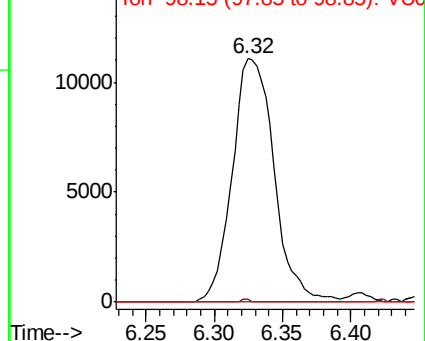
83 100

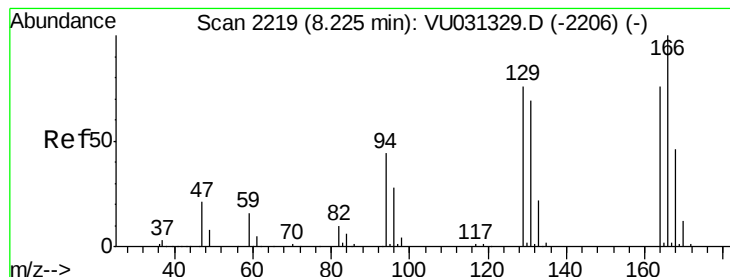
55 0.2 70.6 105.8#

98 1.5 37.0 55.4#



Abundance Ion 83.15 (82.85 to 83.85): VU031342.D (-1561) (-)





#47

Tetrachloroethene

Concen: 0.129 ug/L

RT: 8.23 min Scan# 2220

Delta R.T. 0.00 min

Lab File: VU031342.D

Acq: 19 Apr 2019 07:16

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:164 Resp: 2025

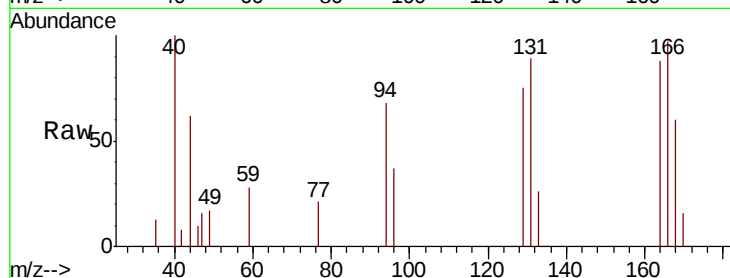
Ion Ratio Lower Upper

164 100

129 84.3 61.9 114.9

131 100.2 61.5 114.3

166 110.1 84.6 157.0

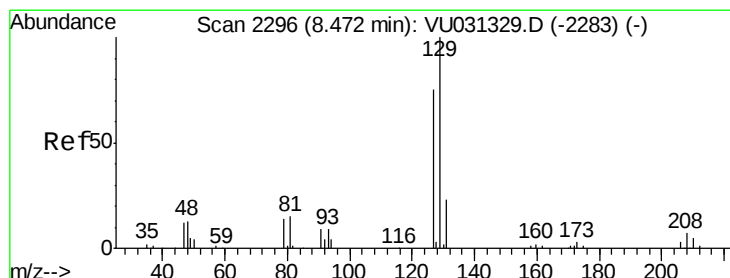
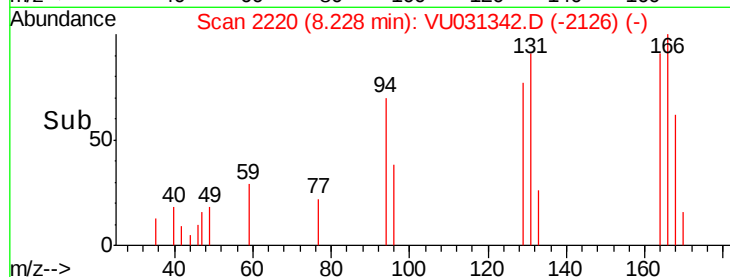
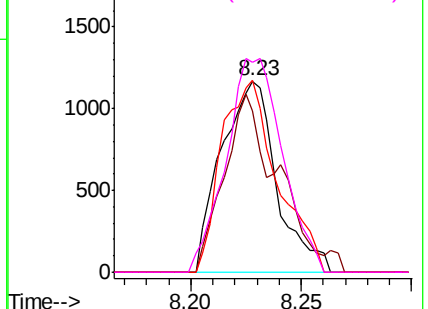


Abundance Ion 163.90 (163.60 to 164.60): V

2000 Ion 128.95 (128.65 to 129.65): V

1500 Ion 130.95 (130.65 to 131.65): V

1000 Ion 165.90 (165.60 to 166.60): V



#49

Dibromochloromethane

Concen: 0.107 ug/L

RT: 8.22 min Scan# 2219

Delta R.T. -0.25 min

Lab File: VU031342.D

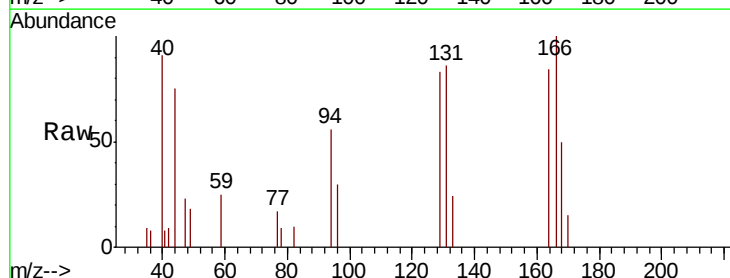
Acq: 19 Apr 2019 07:16

Tgt Ion:129 Resp: 1874

Ion Ratio Lower Upper

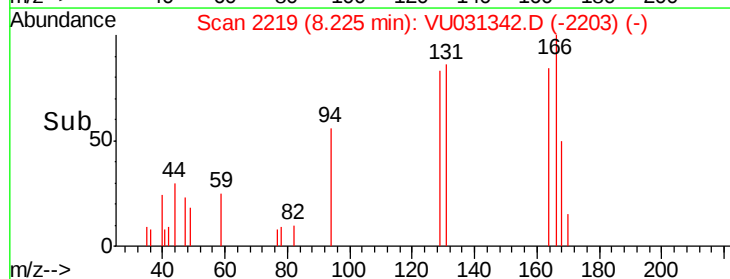
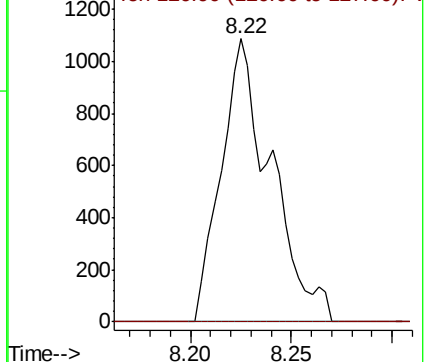
129 100

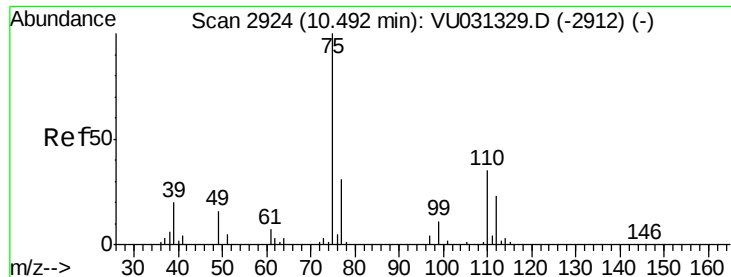
127 0.0 53.3 99.1#



Abundance Ion 128.95 (128.65 to 129.65): V

1200 Ion 126.90 (126.60 to 127.60): V





#59

1,2,3-Trichloropropane

Concen: 0.673 ug/L

RT: 11.48 min Scan# 3232

Delta R.T. 0.99 min

Lab File: VU031342.D

Acq: 19 Apr 2019 07:16

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 75 Resp: 8999

Ion Ratio Lower Upper

75 100

77 38.1 27.0 40.6

