

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041019\
 Data File : VU030930.D
 Acq On : 09 Apr 2019 01:25
 Operator : JC/SP
 Sample : K2248-17
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 E3YD2

Quant Time: Apr 09 03:39:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR032919WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Apr 09 03:34:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	230936	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	230411	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	88824	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	124397	7.05	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	141.00%#
7) Chloroethane-d5	1.68	69	82444	5.79	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	115.80%
11) 1,1-Dichloroethene-d2	2.27	63	207621	5.75	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	115.00%
20) 2-Butanone-d5	4.20	46	310482	68.28	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	136.56%#
24) Chloroform-d	4.64	84	146033	4.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.60%
26) 1,2-Dichloroethane-d4	5.31	65	97003	6.11	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	122.20%
32) Benzene-d6	5.33	84	329247	5.37	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	107.40%
36) 1,2-Dichloropropane-d6	6.33	67	112372	5.52	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	110.40%
41) Toluene-d8	7.56	98	248907	4.60	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.00%
43) trans-1,3-Dichloropropene-	7.85	79	37633	4.98	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	99.60%
46) 2-Hexanone-d5	8.31	63	191272	58.20	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	116.40%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	92336	6.34	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	126.80%#
64) 1,2-Dichlorobenzene-d4	11.86	152	87553	5.89	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	117.80%

Target Compounds

					Ovalue
3) Chloromethane	1.40	50	28127	0.933 ug/L #	46
5) Vinyl chloride	1.40	62	4621443	167.247 ug/L	100
9) Trichlorofluoromethane	1.88	101	4280	0.137 ug/L	87
12) 1,1-Dichloroethene	2.28	96	107305	6.368 ug/L	86
13) Acetone	2.32	43	21835	6.211 ug/L	99
17) Methyl tert-butyl Ether	3.00	73	8630	0.191 ug/L	95
18) trans-1,2-Dichloroethene	2.97	96	225963	12.702 ug/L	99
19) 1,1-Dichloroethane	3.43	63	14043416	373.196 ug/L	99
22) cis-1,2-Dichloroethene	4.22	96	9209479	485.467 ug/L	100
25) Chloroform	4.67	83	25915	0.755 ug/L	97
27) 1,2-Dichloroethane	5.40	62	93120	4.183 ug/L	100
29) 1,1,1-Trichloroethane	4.91	97	2421182	82.485 ug/L	99
31) Carbon tetrachloride	4.90	117	307262	12.468 ug/L	96
33) Benzene	5.38	78	60691	0.779 ug/L	100
34) Trichloroethene	6.18	95	133425	6.838 ug/L	98
35) Methylcyclohexane	6.33	83	25227	0.810 ug/L #	15
45) 1,1,2-Trichloroethane	8.07	97	8744	0.684 ug/L	87

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041019\
Data File : VU030930.D
Acq On : 09 Apr 2019 01:25
Operator : JC/SP
Sample : K2248-17
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
E3YD2

Quant Time: Apr 09 03:39:24 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR032919WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Apr 09 03:34:38 2019
Response via : Initial Calibration

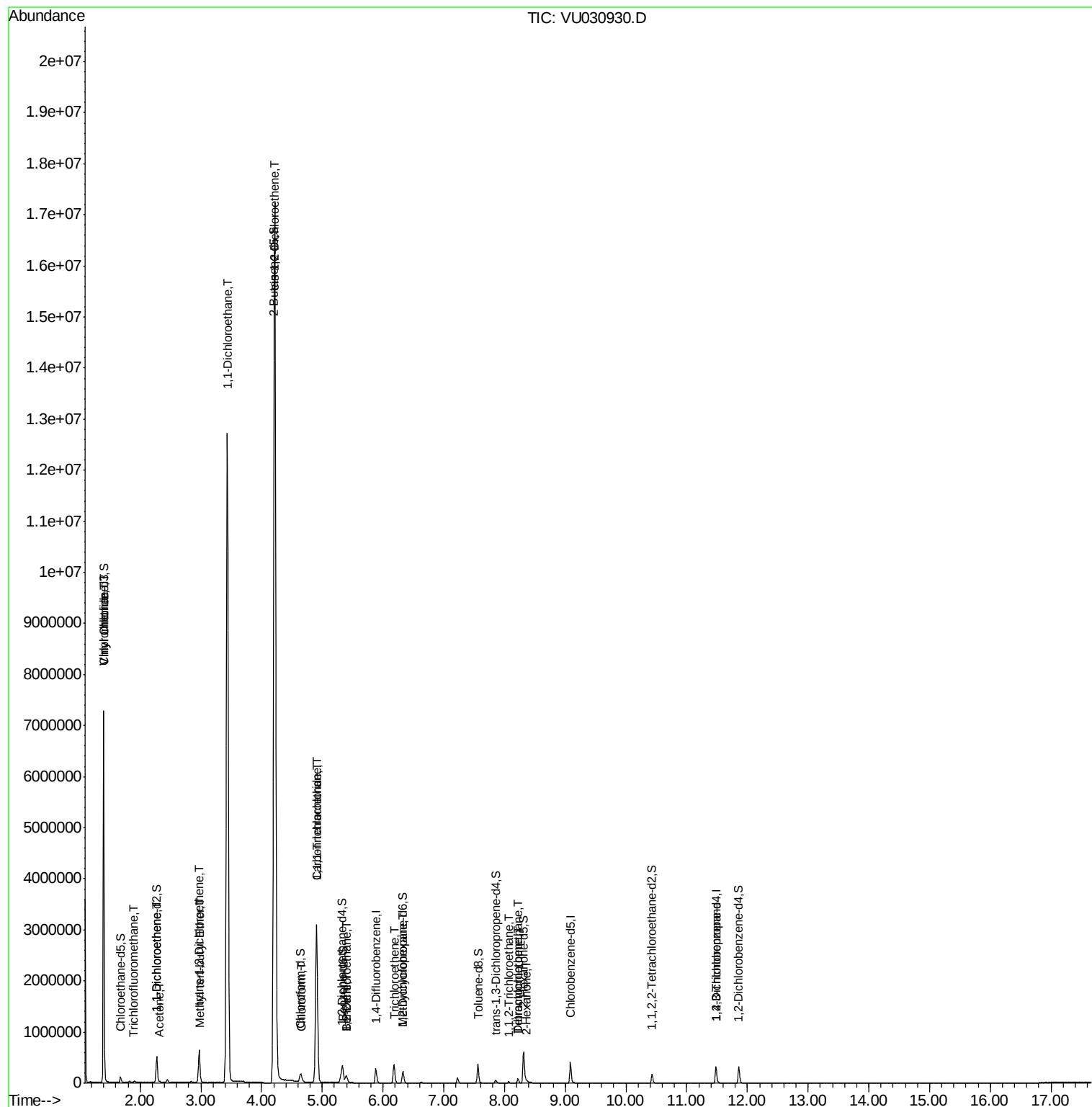
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
47) Tetrachloroethene	8.22	164	22411	1.638	ug/L	96
48) 2-Hexanone	8.37	43	15689	1.692	ug/L #	88
49) Dibromochloromethane	8.23	129	21808	1.426	ug/L #	13
59) 1,2,3-Trichloropropane	11.48	75	11026	0.920	ug/L #	82

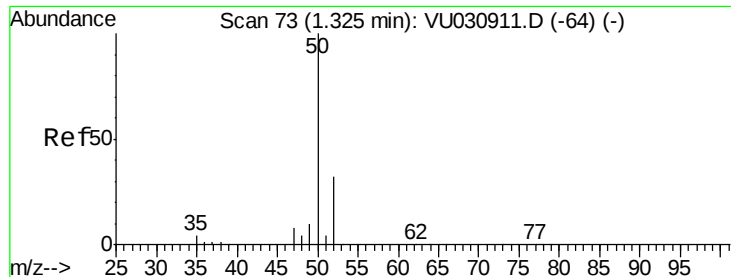
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041019\
Data File : VU030930.D
Acq On : 09 Apr 2019 01:25
Operator : JC/SP
Sample : K2248-17
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampled :
E3YD2

Quant Time: Apr 09 03:39:24 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR032919WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Apr 09 03:34:38 2019
Response via : Initial Calibration





#3

Chloromethane

Concen: 0.933 ug/L

RT: 1.40 min Scan# 96

Delta R.T. 0.07 min

Lab File: VU030930.D

Acq: 09 Apr 2019 01:25

Instrument :

MSVOA_U

ClientSampleId :

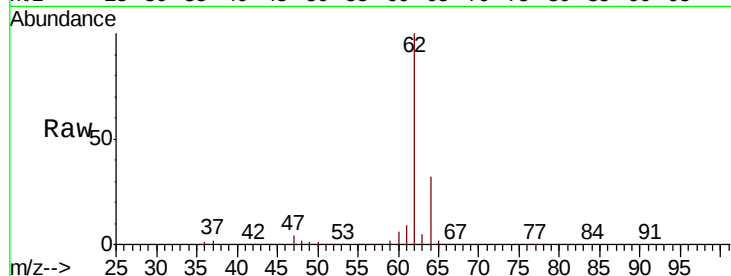
E3YD2

Tot Ion: 50 Resp: 28127

Ion Ratio Lower Upper

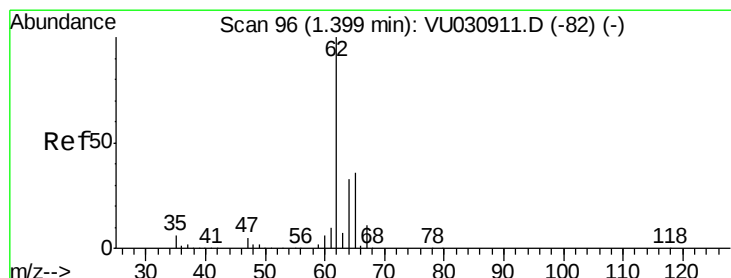
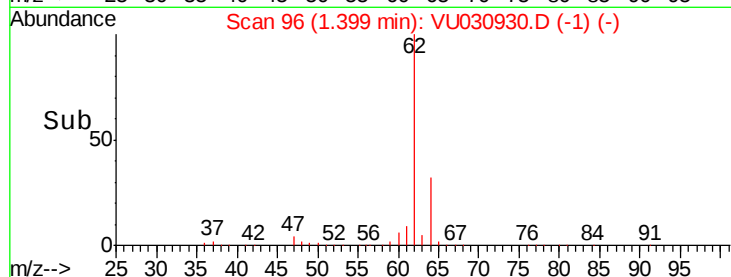
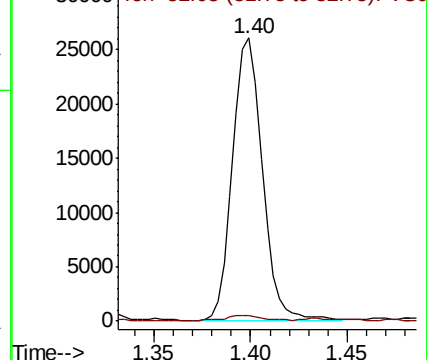
50 100

52 2.0 22.9 42.5#



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0



#5

Vinyl chloride

Concen: 167.247 ug/L

RT: 1.40 min Scan# 96

Delta R.T. -0.00 min

Lab File: VU030930.D

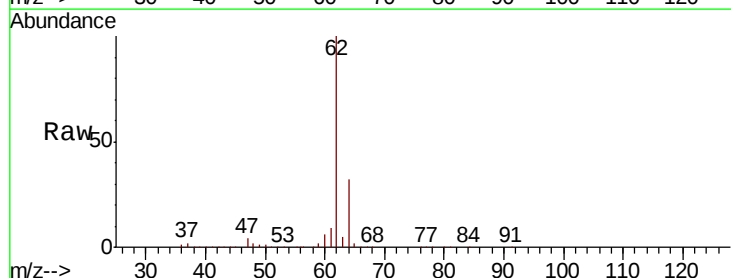
Acq: 09 Apr 2019 01:25

Tgt Ion: 62 Resp: 4621443

Ion Ratio Lower Upper

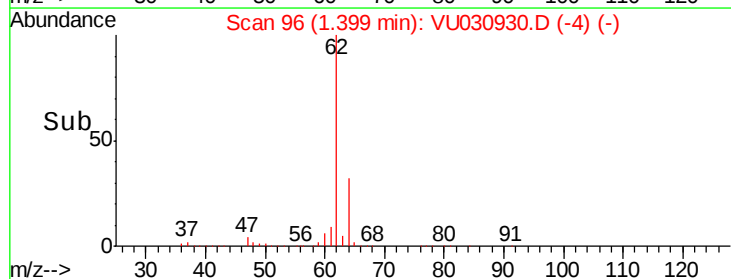
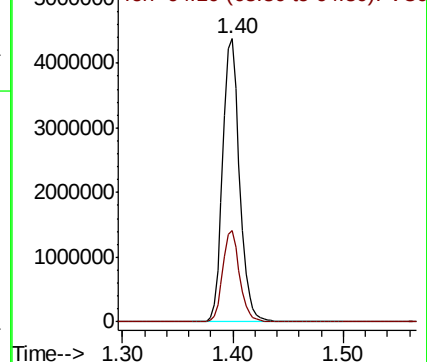
62 100

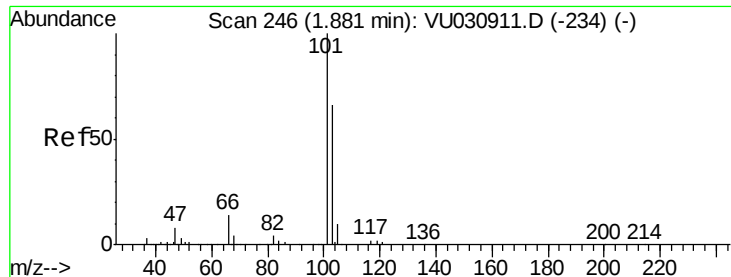
64 32.1 22.5 41.9



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



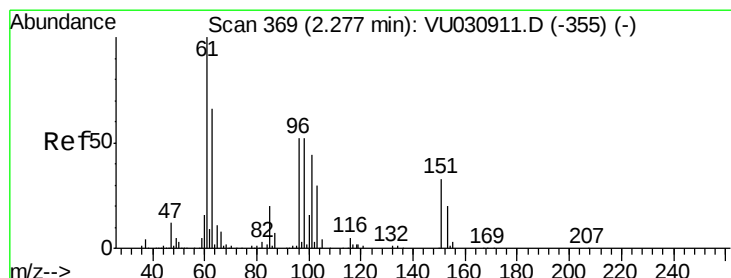
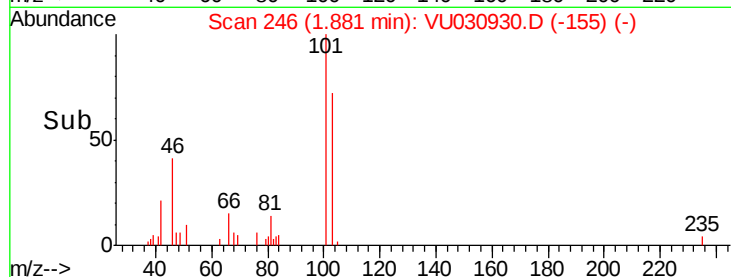
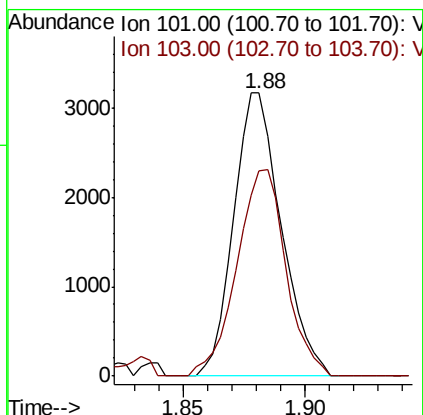
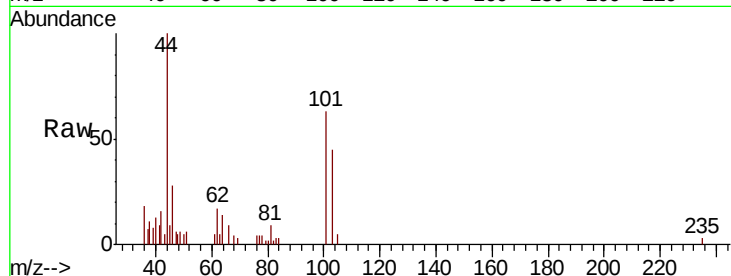


#9

Trichlorofluoromethane
 Concen: 0.137 ug/L
 RT: 1.88 min Scan# 246
 Delta R.T. -0.01 min
 Lab File: VU030930.D
 Acq: 09 Apr 2019 01:25

Instrument :
 MSVOA_U
 ClientSampled :
 E3YD2

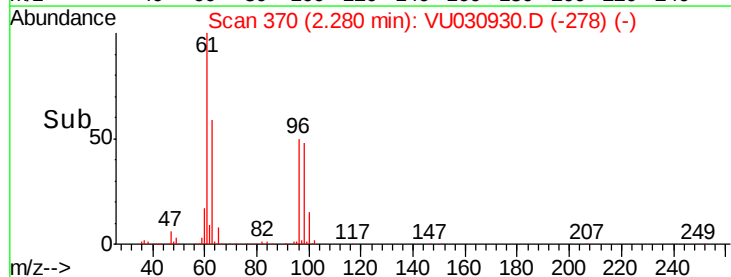
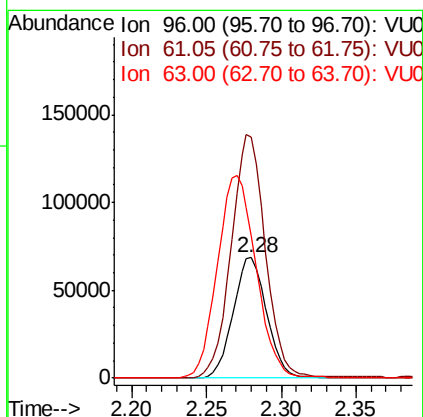
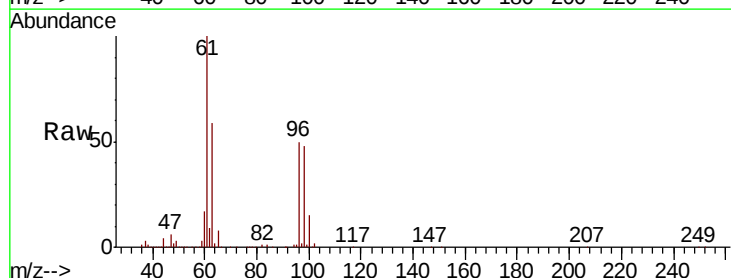
Tot Ion:101 Resp: 4280
 Ion Ratio Lower Upper
 101 100
 103 74.9 52.0 78.0

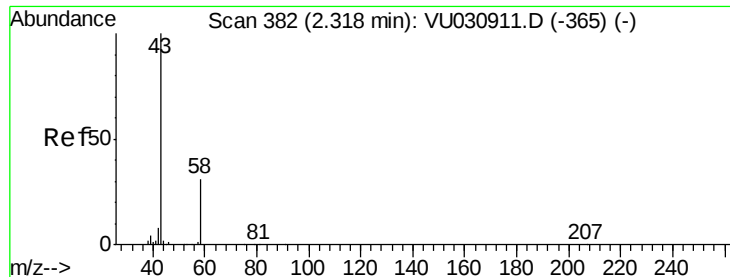


#12

1,1-Dichloroethene
 Concen: 6.368 ug/L
 RT: 2.28 min Scan# 370
 Delta R.T. -0.00 min
 Lab File: VU030930.D
 Acq: 09 Apr 2019 01:25

Tgt Ion: 96 Resp: 107305
 Ion Ratio Lower Upper
 96 100
 61 199.5 136.9 254.3
 63 118.1 107.7 200.1





#13

Acetone

Concen: 6.211 ug/L

RT: 2.32 min Scan# 383

Delta R.T. -0.04 min

Lab File: VU030930.D

Acq: 09 Apr 2019 01:25

Instrument :

MSVOA_U

ClientSampleId :

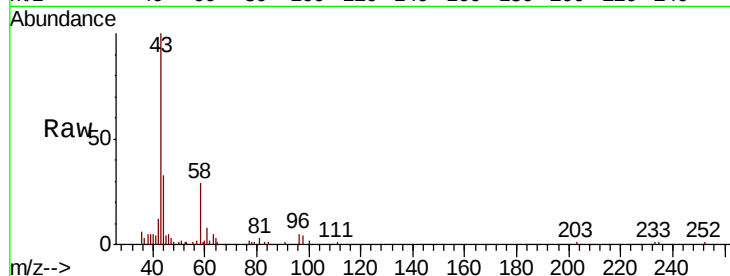
E3YD2

Tot Ion: 43 Resp: 21835

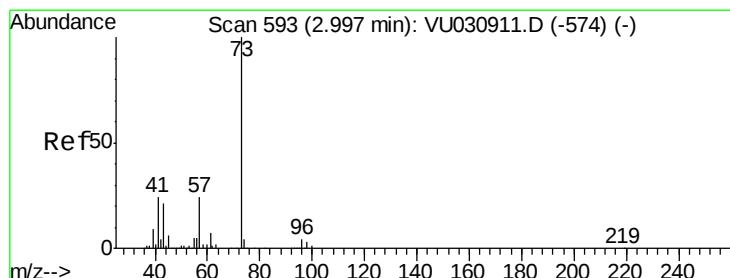
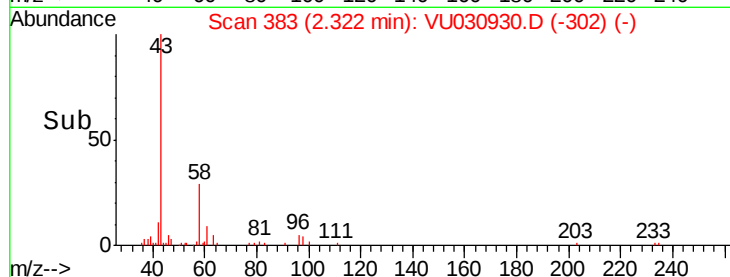
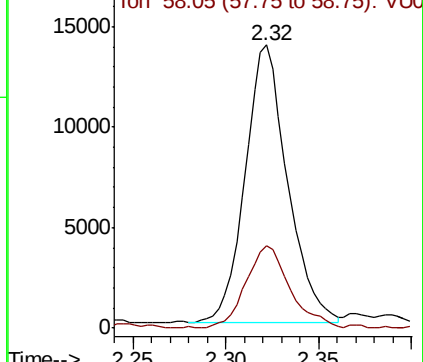
Ion Ratio Lower Upper

43 100

58 31.0 0.0 62.8



Abundance Ion 43.05 (42.75 to 43.75): VU030930.D (-302) (-)



#17

Methyl tert-butyl Ether

Concen: 0.191 ug/L

RT: 3.00 min Scan# 594

Delta R.T. -0.01 min

Lab File: VU030930.D

Acq: 09 Apr 2019 01:25

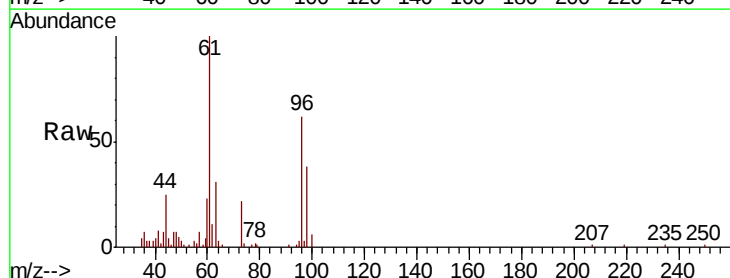
Tgt Ion: 73 Resp: 8630

Ion Ratio Lower Upper

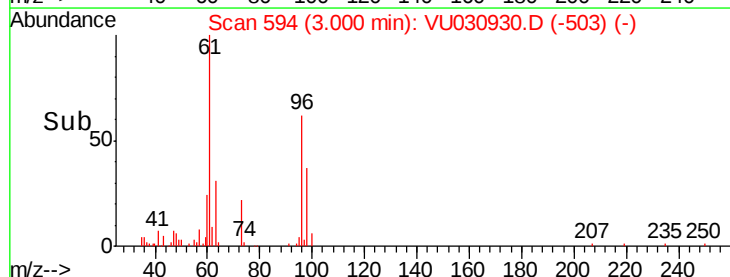
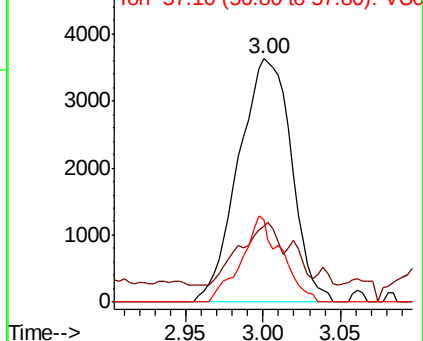
73 100

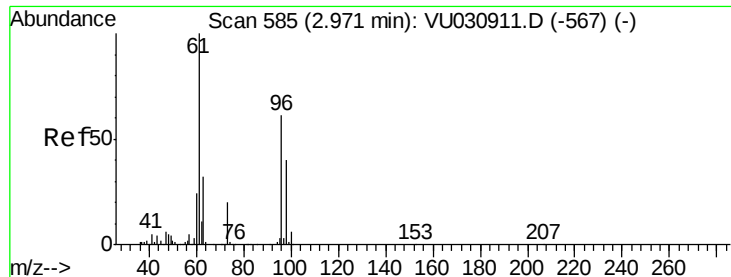
43 19.0 17.0 25.4

57 26.7 19.4 29.2



Abundance Ion 73.10 (72.80 to 73.80): VU030930.D (-503) (-)





#18

trans-1,2-Dichloroethene

Concen: 12.702 ug/L

RT: 2.97 min Scan# 585

Delta R.T. -0.01 min

Lab File: VU030930.D

Acq: 09 Apr 2019 01:25

Instrument :

MSVOA_U

ClientSampled :

E3YD2

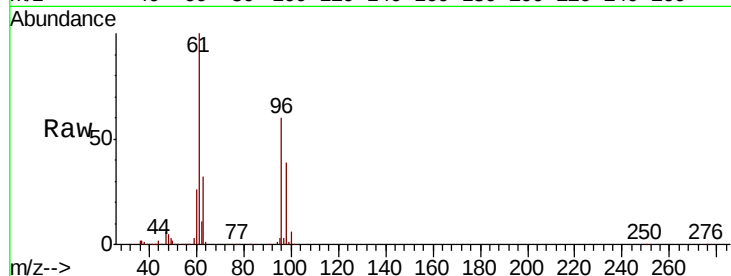
Tot Ion: 96 Resp: 225963

Ion Ratio Lower Upper

96 100

61 165.7 116.8 216.8

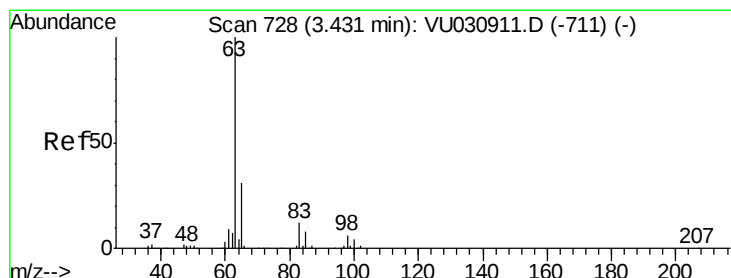
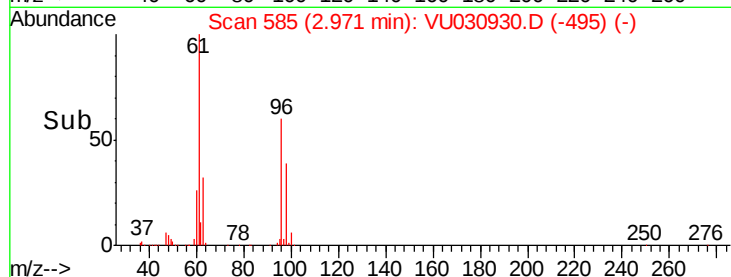
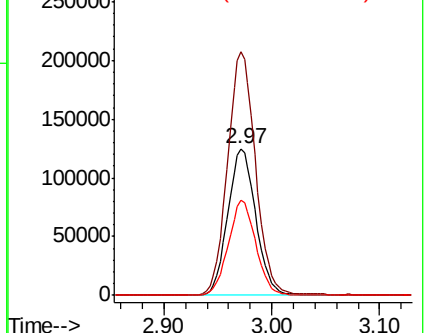
98 64.6 46.8 87.0



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 97.95 (97.65 to 98.65): VU0



#19

1,1-Dichloroethane

Concen: 373.196 ug/L

RT: 3.43 min Scan# 729

Delta R.T. -0.01 min

Lab File: VU030930.D

Acq: 09 Apr 2019 01:25

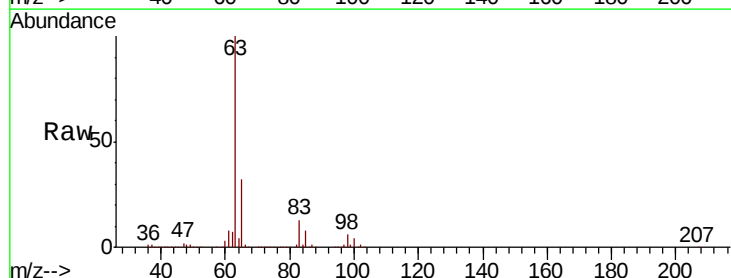
Tgt Ion: 63 Resp:14043416

Ion Ratio Lower Upper

63 100

65 31.8 21.6 40.0

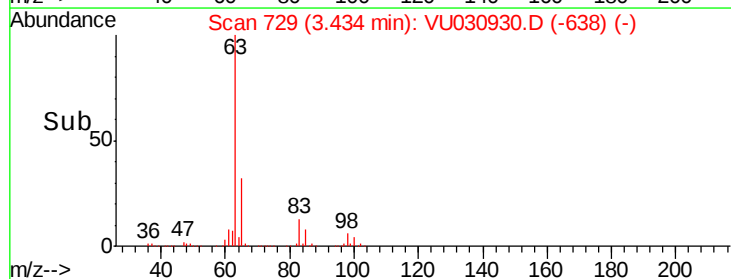
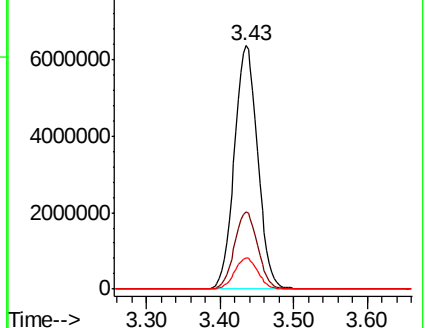
83 12.9 9.1 16.9

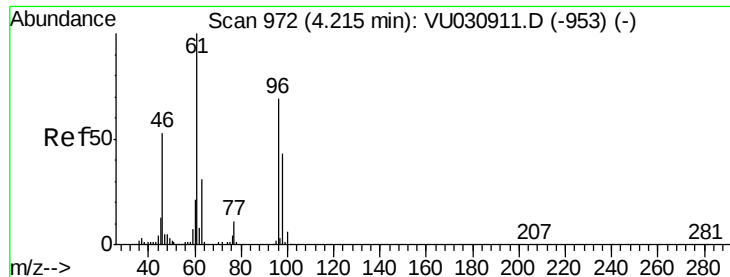


Abundance Ion 63.10 (62.80 to 63.80): VU0

Ion 65.10 (64.80 to 65.80): VU0

Ion 83.05 (82.75 to 83.75): VU0



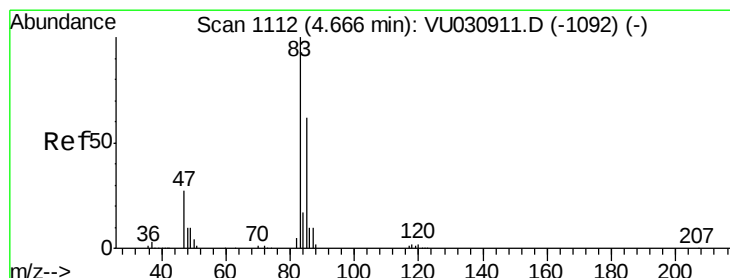
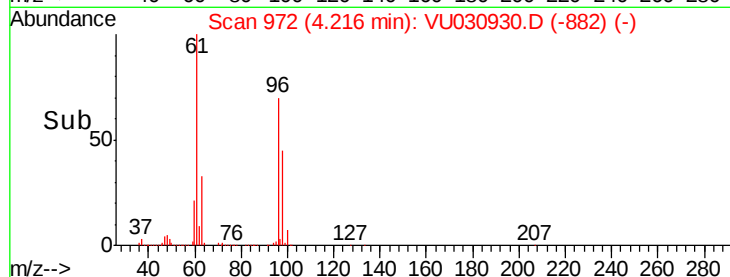
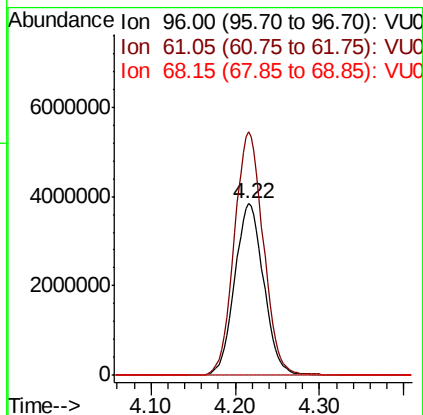
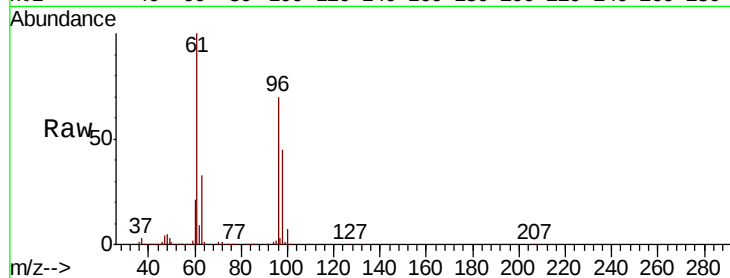


#22

cis-1,2-Dichloroethene
 Concen: 485.467 ug/L
 RT: 4.22 min Scan# 972
 Delta R.T. -0.01 min
 Lab File: VU030930.D
 Acq: 09 Apr 2019 01:25

Instrument :
 MSVOA_U
 ClientSampleId :
 E3YD2

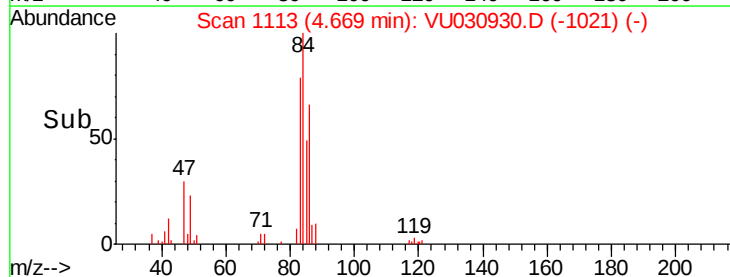
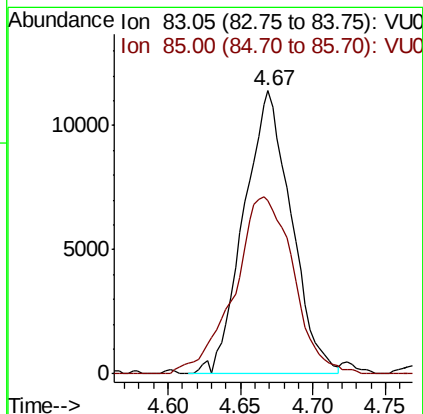
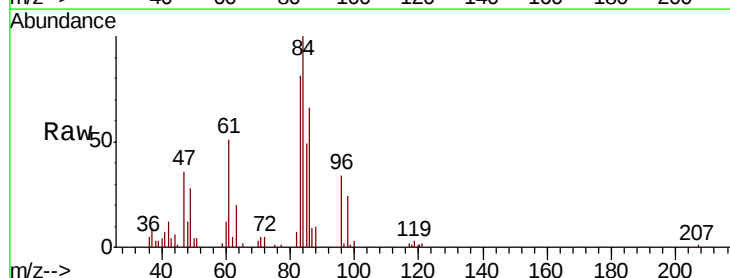
Tot Ion: 96 Resp: 9209479
 Ion Ratio Lower Upper
 96 100
 61 141.9 98.9 183.7
 68 0.0 0.0 0.0

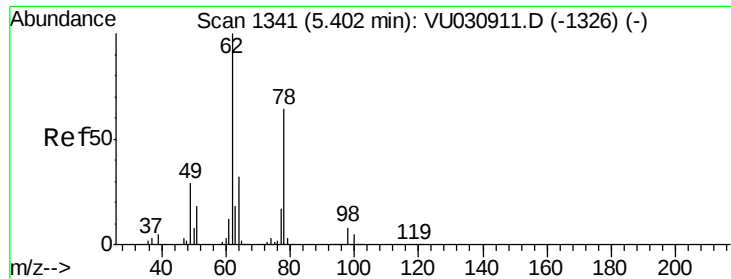


#25

Chloroform
 Concen: 0.755 ug/L
 RT: 4.67 min Scan# 1113
 Delta R.T. -0.00 min
 Lab File: VU030930.D
 Acq: 09 Apr 2019 01:25

Tgt Ion: 83 Resp: 25915
 Ion Ratio Lower Upper
 83 100
 85 61.0 44.2 82.2

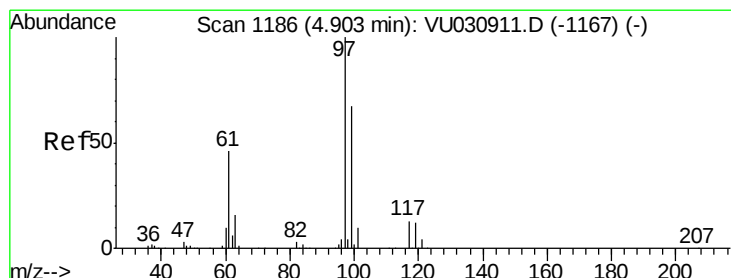
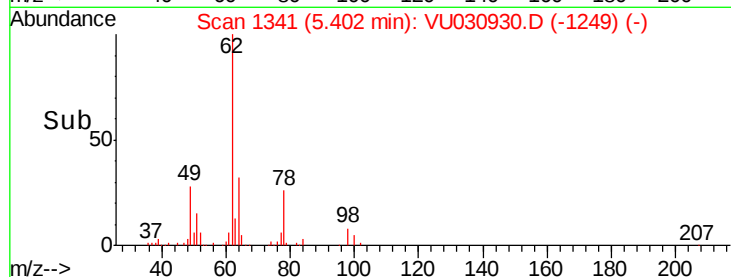
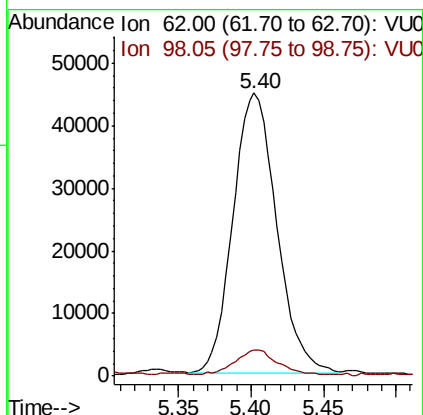
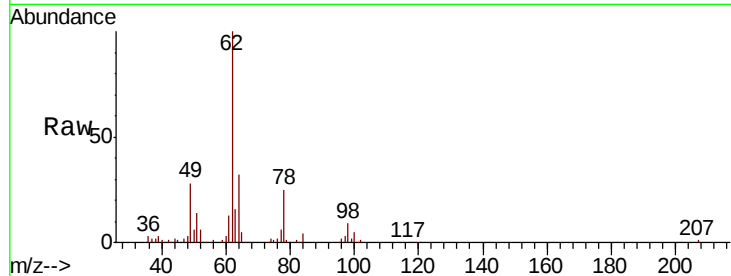




#27
 1,2-Dichloroethane
 Concen: 4.183 ug/L
 RT: 5.40 min Scan# 1341
 Delta R.T. -0.00 min
 Lab File: VU030930.D
 Acq: 09 Apr 2019 01:25

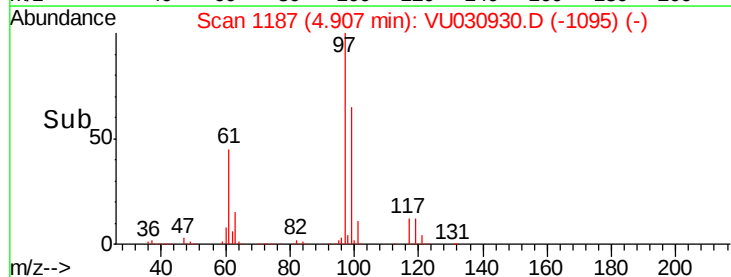
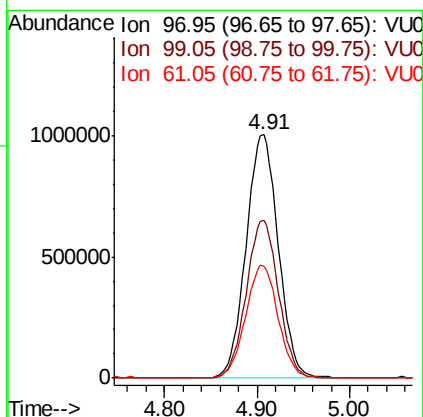
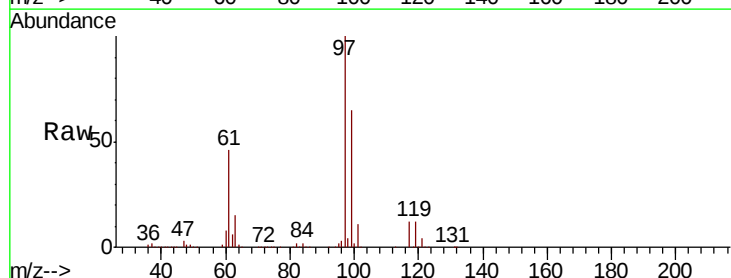
Instrument :
 MSVOA_U
 ClientSampleId :
 E3YD2

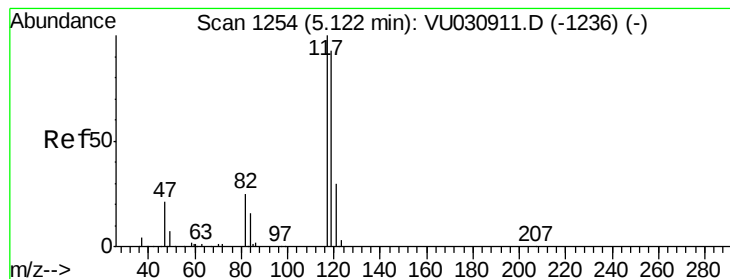
Tot Ion: 62 Resp: 93120
 Ion Ratio Lower Upper
 62 100
 98 9.4 7.4 11.2



#29
 1,1,1-Trichloroethane
 Concen: 82.485 ug/L
 RT: 4.91 min Scan# 1187
 Delta R.T. -0.00 min
 Lab File: VU030930.D
 Acq: 09 Apr 2019 01:25

Tgt Ion: 97 Resp: 2421182
 Ion Ratio Lower Upper
 97 100
 99 64.7 51.8 77.6
 61 46.0 38.1 57.1





#31

Carbon tetrachloride

Concen: 12.468 ug/L

RT: 4.90 min Scan# 1186

Delta R.T. -0.23 min

Lab File: VU030930.D

Acq: 09 Apr 2019 01:25

Instrument :

MSVOA_U

ClientSampleId :

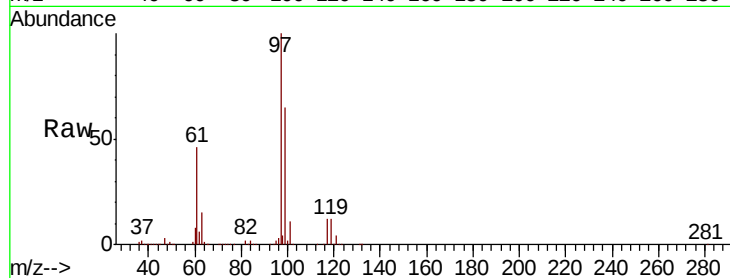
E3YD2

Tot Ion:117 Resp: 307262

Ion Ratio Lower Upper

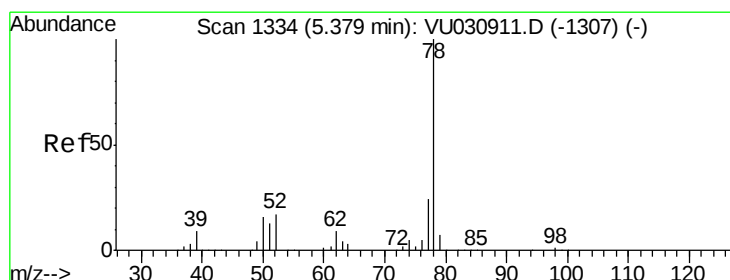
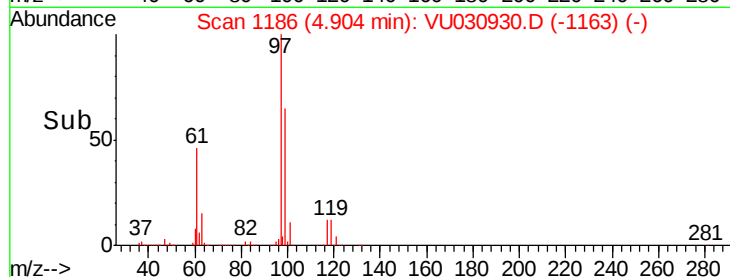
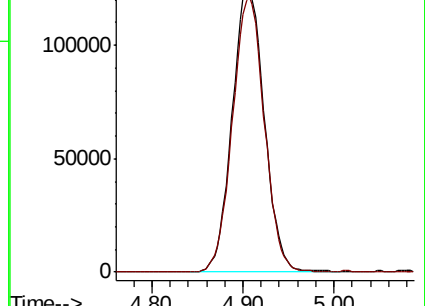
117 100

119 95.6 73.7 110.5



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 0.779 ug/L

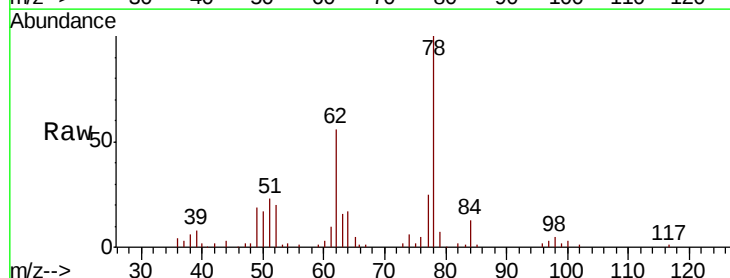
RT: 5.38 min Scan# 1335

Delta R.T. -0.00 min

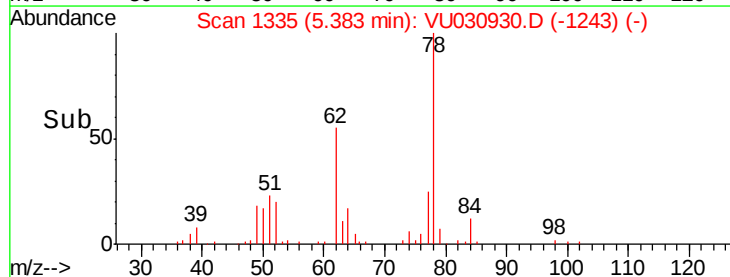
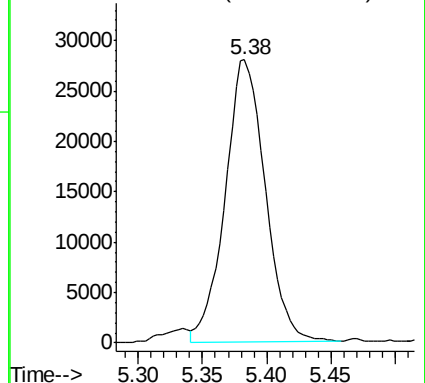
Lab File: VU030930.D

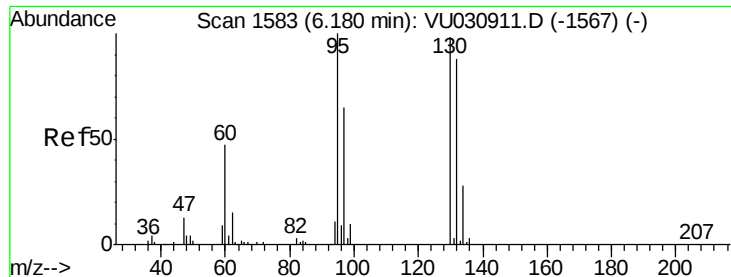
Acq: 09 Apr 2019 01:25

Tgt Ion: 78 Resp: 60691



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 6.838 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VU030930.D

Acq: 09 Apr 2019 01:25

Instrument :

MSVOA_U

ClientSampleId :

E3YD2

Tot Ion: 95 Resp: 133425

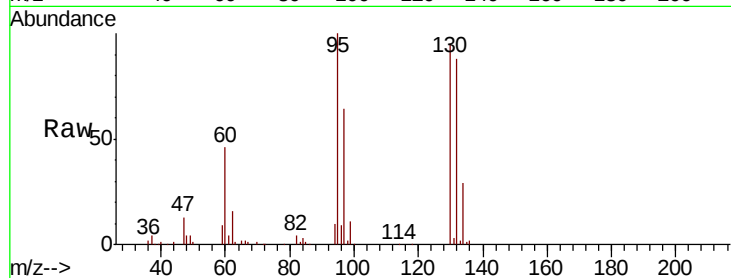
Ion Ratio Lower Upper

95 100

97 64.2 43.5 80.9

132 87.5 60.7 112.7

130 94.9 65.1 120.9

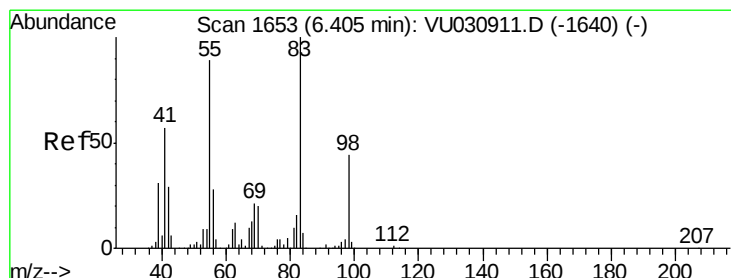
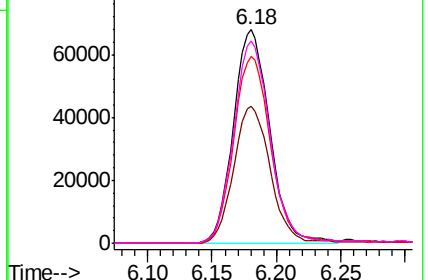
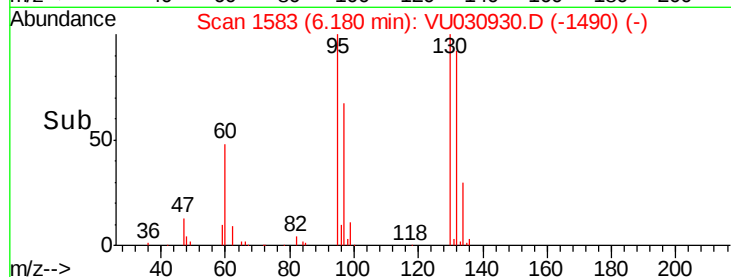


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 0.810 ug/L

RT: 6.33 min Scan# 1629

Delta R.T. -0.08 min

Lab File: VU030930.D

Acq: 09 Apr 2019 01:25

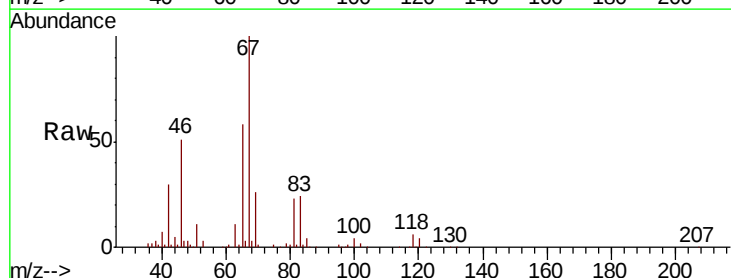
Tgt Ion: 83 Resp: 25227

Ion Ratio Lower Upper

83 100

55 0.5 72.6 108.8#

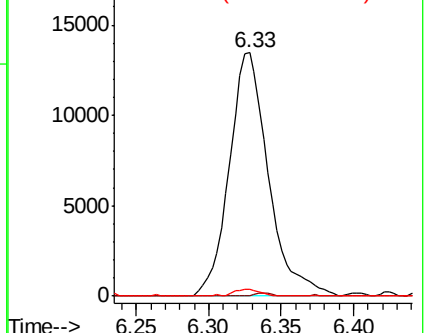
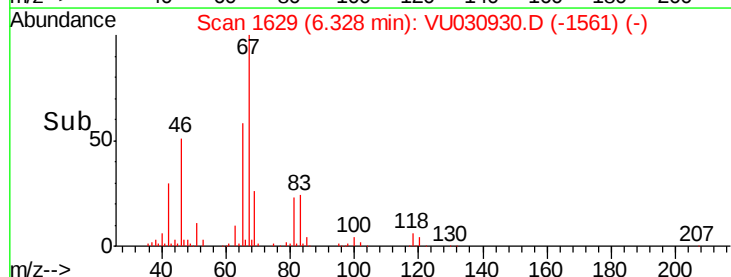
98 1.7 35.0 52.6#

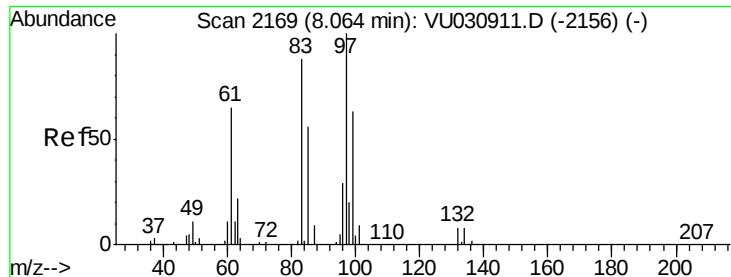


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

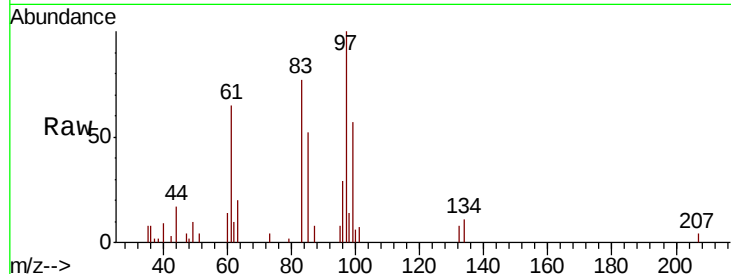




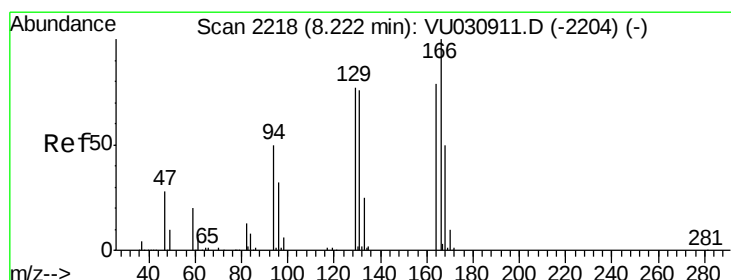
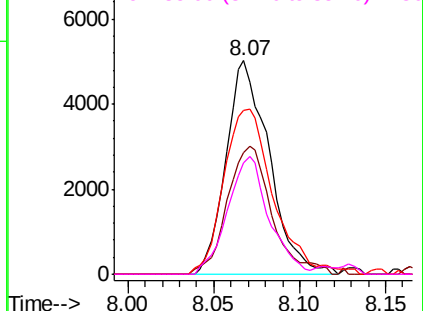
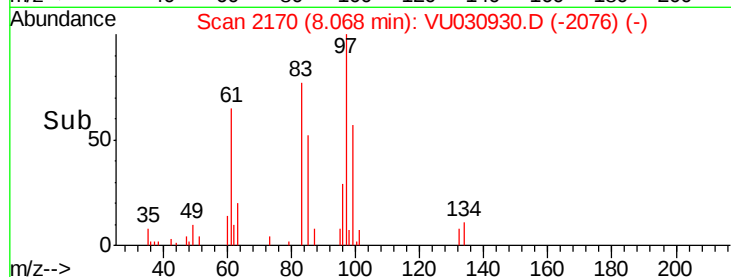
#45
 1,1,2-Trichloroethane
 Concen: 0.684 ug/L
 RT: 8.07 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VU030930.D
 Acq: 09 Apr 2019 01:25

Instrument :
 MSVOA_U
 ClientSampleId :
 E3YD2

Tot Ion:	97	Resp:	8744
Ion	Ratio	Lower	Upper
97	100		
99	57.1	45.3	84.1
83	76.9	66.5	123.5
85	51.9	41.2	76.4

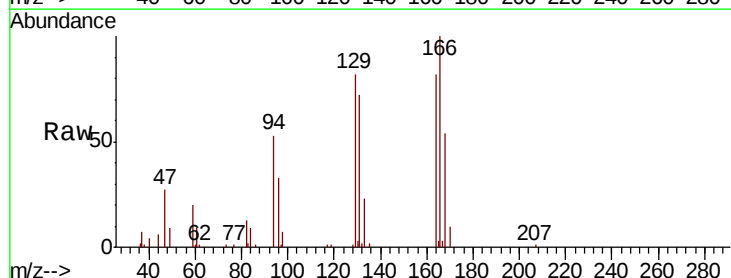


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

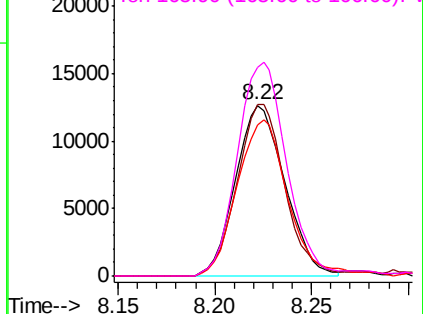
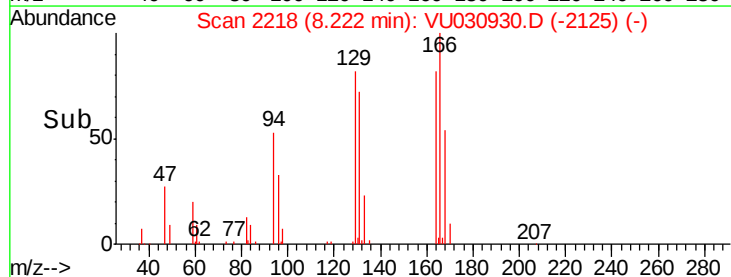


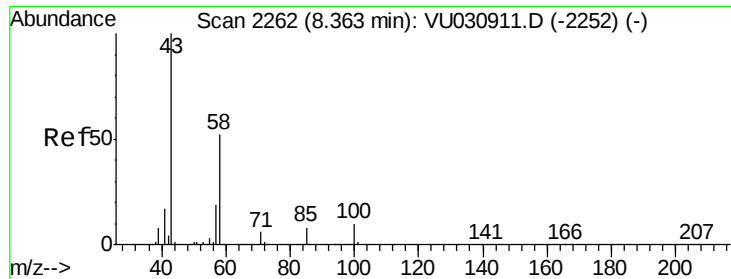
#47
 Tetrachloroethene
 Concen: 1.638 ug/L
 RT: 8.22 min Scan# 2218
 Delta R.T. 0.00 min
 Lab File: VU030930.D
 Acq: 09 Apr 2019 01:25

Tgt Ion:	164	Resp:	22411
Ion	Ratio	Lower	Upper
164	100		
129	100.7	70.1	130.1
131	88.8	67.8	125.8
166	122.7	87.9	163.3



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

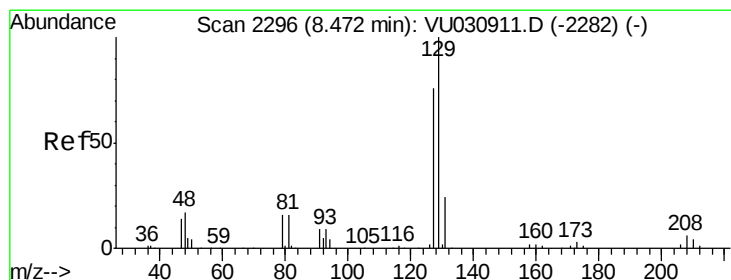
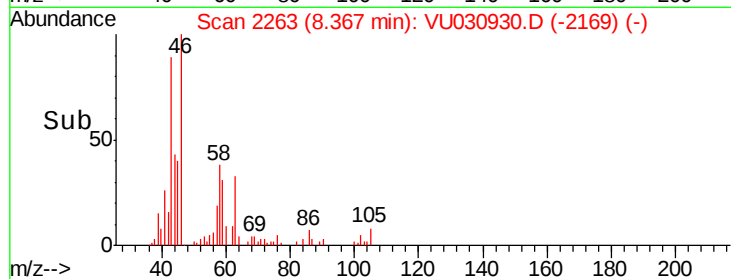
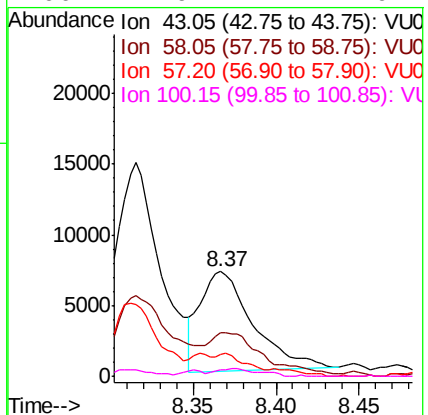
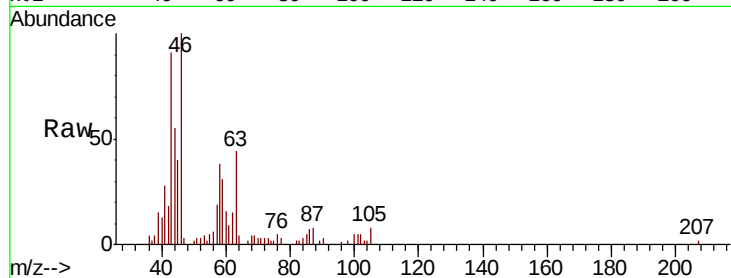




#48
2-Hexanone
Concen: 1.692 ug/L
RT: 8.37 min Scan# 2263
Delta R.T. 0.00 min
Lab File: VU030930.D
Acq: 09 Apr 2019 01:25

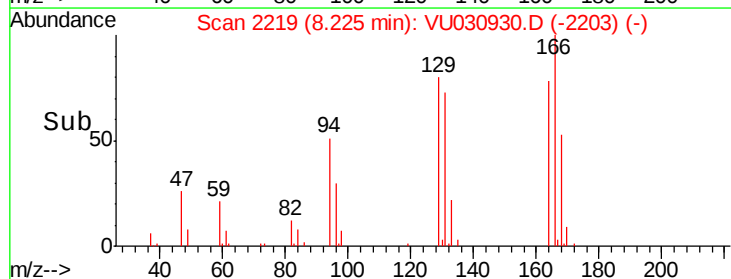
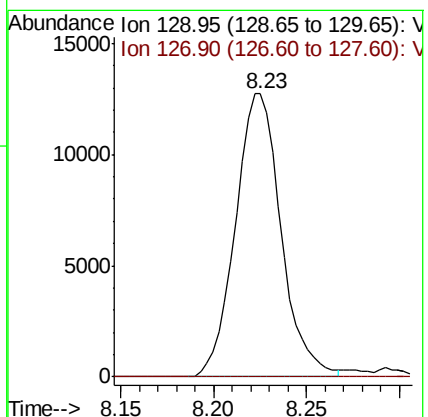
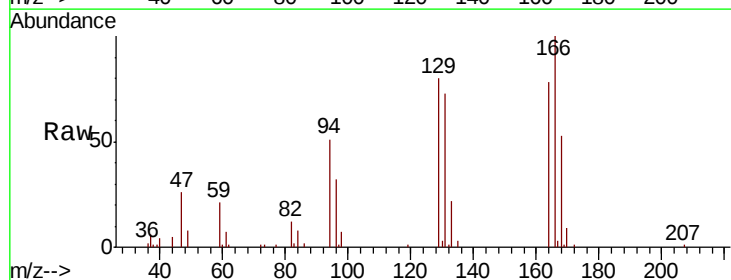
Instrument :
MSVOA_U
ClientSampleId :
E3YD2

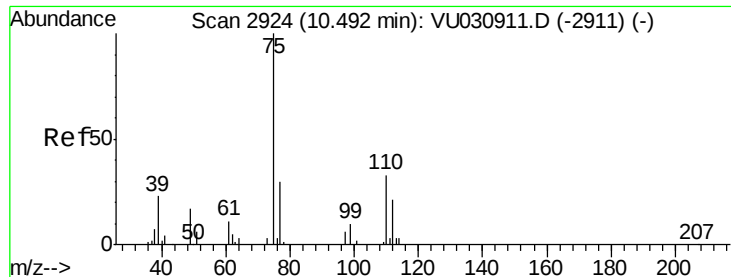
Tot Ion: 43 Resp: 15689
Ion Ratio Lower Upper
43 100
58 46.7 42.5 63.7
57 7.1 13.9 20.9#
100 4.9 7.1 10.7#



#49
Dibromochloromethane
Concen: 1.426 ug/L
RT: 8.23 min Scan# 2219
Delta R.T. -0.25 min
Lab File: VU030930.D
Acq: 09 Apr 2019 01:25

Tgt Ion: 129 Resp: 21808
Ion Ratio Lower Upper
129 100
127 0.0 51.1 94.9#





#59

1,2,3-Trichloropropane

Concen: 0.920 ug/L

RT: 11.48 min Scan# 3232

Delta R.T. 0.99 min

Lab File: VU030930.D

Acq: 09 Apr 2019 01:25

Instrument :

MSVOA_U

ClientSampleId :

E3YD2

Tot Ion: 75 Resp: 11026

Ion Ratio Lower Upper

75 100

77 41.8 25.6 38.4#

