

Data File : VU030445.D
Acq On : 26 Mar 2019 15:29
Operator : JC/SP
Sample : K2070-11
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C09D6

Quant Time: Mar 27 04:35:34 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Mar 27 04:29:49 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	449102	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	435560	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	204657	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	187871	51.98	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	103.96%
7) Chloroethane-d5	1.68	69	150419	52.51	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	105.02%
11) 1,1-Dichloroethene-d2	2.27	63	261518	38.14	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	76.28%
21) 2-Butanone-d5	4.17	46	344258	101.32	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	101.32%
24) Chloroform-d	4.64	84	311886	50.08	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.16%
26) 1,2-Dichloroethane-d4	5.31	65	211451	51.89	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.78%
32) Benzene-d6	5.34	84	640308	51.26	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.52%
36) 1,2-Dichloropropane-d6	6.33	67	228533	53.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	106.96%
41) Toluene-d8	7.56	98	560487	49.96	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.92%
43) trans-1,3-Dichloropropene-	7.85	79	98768	49.15	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.30%
47) 2-Hexanone-d5	8.31	63	222532	96.09	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	96.09%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	306032	50.04	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.08%
64) 1,2-Dichlorobenzene-d4	12.00	152	79	0.02	ug/L	0.15
Spiked Amount	50.000	Range	80 - 120	Recovery	=	0.04%#

Target Compounds

						Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	2151	0.656	ug/L #	21
12) 1,1-Dichloroethene	2.27	96	1840	0.573	ug/L #	1
13) Acetone	2.32	43	39013	11.354	ug/L	100
33) Benzene	5.39	78	279546	18.854	ug/L	100
39) cis-1,3-Dichloropropene	7.22	75	5695	0.942	ug/L #	56
44) trans-1,3-Dichloropropene	7.85	75	4056	0.762	ug/L	97
48) 2-Hexanone	8.31	43	27063	4.672	ug/L #	71
51) Chlorobenzene	9.12	112	1937286	207.730	ug/L	98
59) 1,2,3-Trichloropropane	11.41	75	95421	18.631	ug/L #	44
62) 1,3-Dichlorobenzene	11.41	146	276085	41.251	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	1834701	266.281	ug/L	100
65) 1,2-Dichlorobenzene	11.87	146	1548945	228.879	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.63	75	14261	9.464	ug/L #	7
67) 1,3,5-Trichlorobenzene	12.89	180	7269	1.451	ug/L	97
68) 1,2,4-trichlorobenzene	13.50	180	2114751	485.766	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	796475	173.259	ug/L	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032619\
Quantitation Report (Not Reviewed)

Data File : VU030445.D
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QLast Update : Wed Mar 27 04:29:49 2019
Response via : Initial Calibration

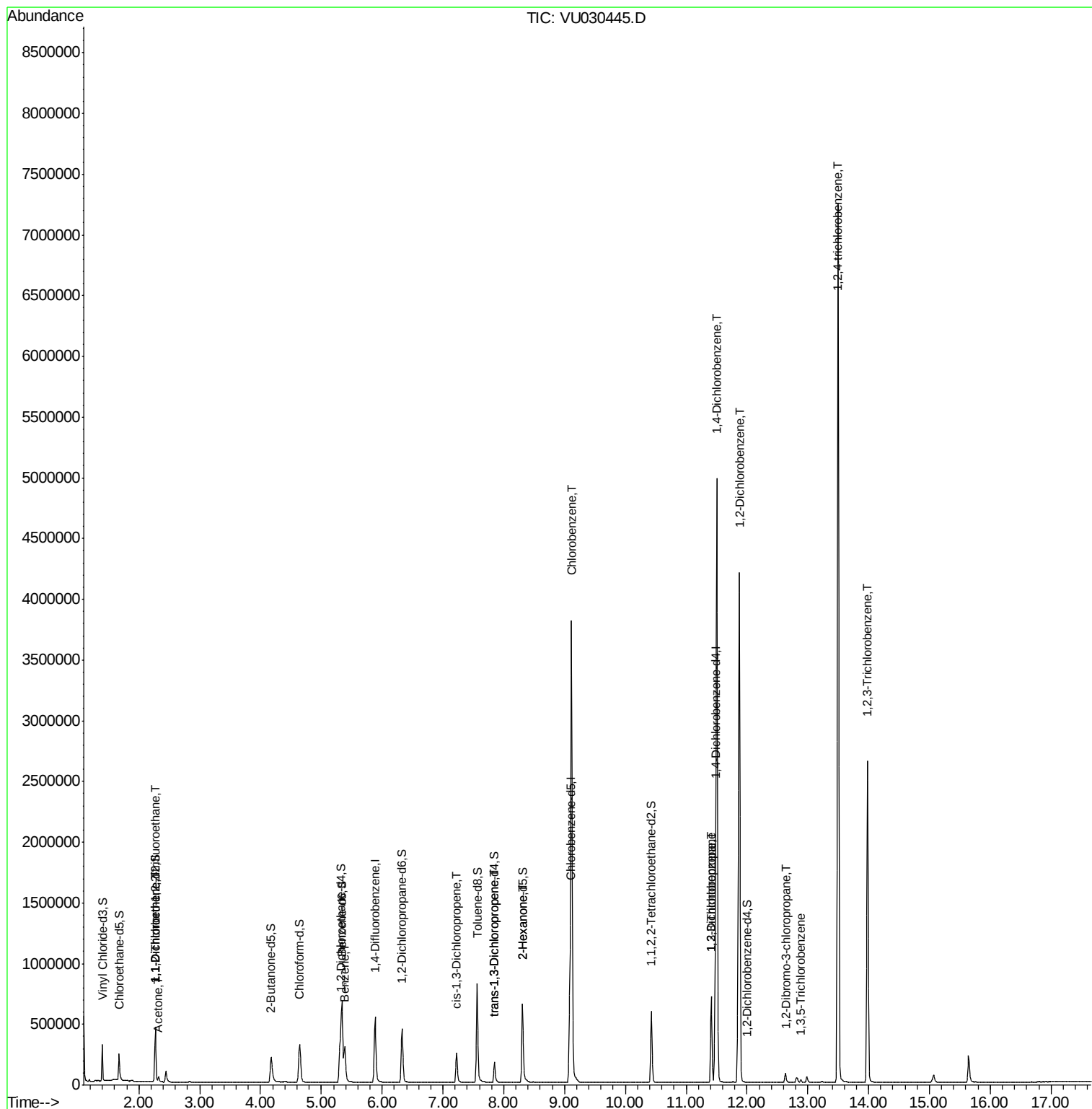
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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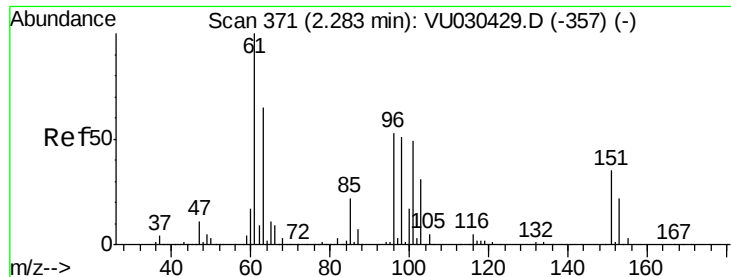
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.656 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.01 min

Lab File: VU030445.D

Acq: 26 Mar 2019 15:29

Instrument :

MSVOA_U

ClientSampleId :

C09D6

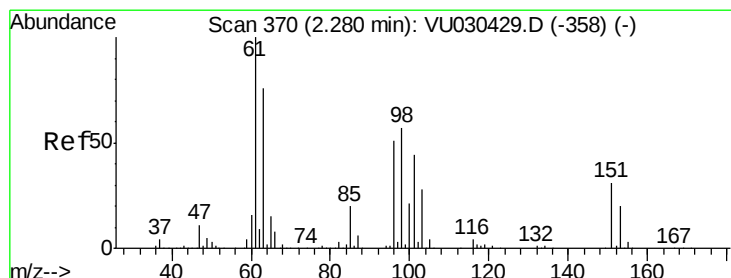
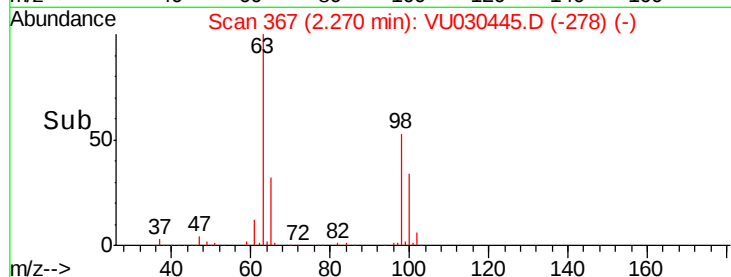
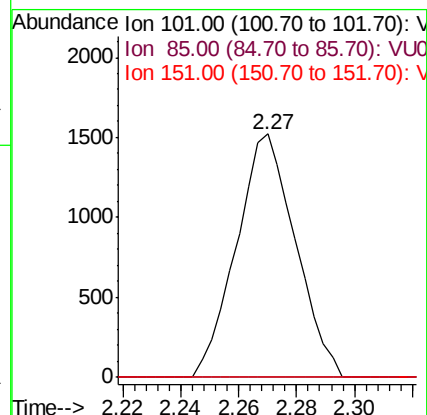
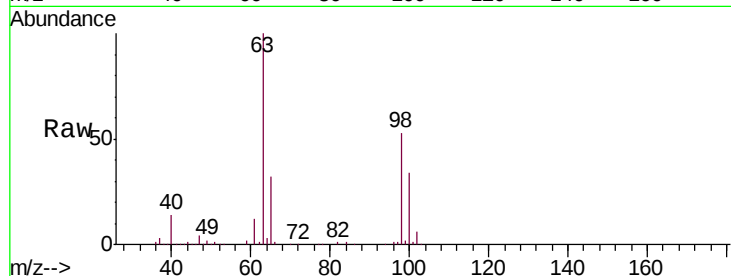
Tgt Ion: 101 Resp: 2151

Ion Ratio Lower Upper

101 100

85 0.0 34.8 52.2#

151 0.0 56.6 85.0#



#12

1,1-Dichloroethene

Concen: 0.573 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.01 min

Lab File: VU030445.D

Acq: 26 Mar 2019 15:29

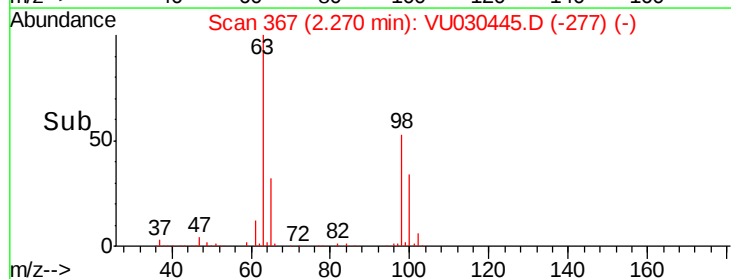
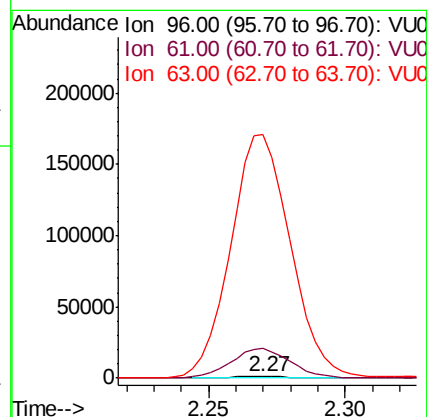
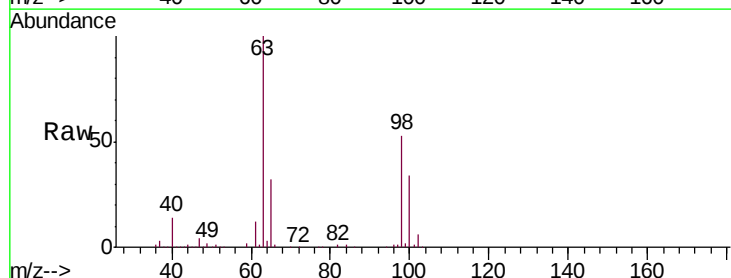
Tgt Ion: 96 Resp: 1840

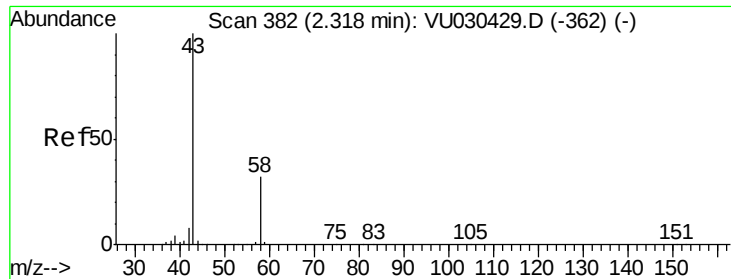
Ion Ratio Lower Upper

96 100

61 1765.9 131.0 243.4#

63 14705.7 92.4 171.6#





#13

Acetone

Concen: 11.354 ug/L

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

Lab File: VU030445.D

Acq: 26 Mar 2019 15:29

Instrument :

MSVOA_U

ClientSampled :

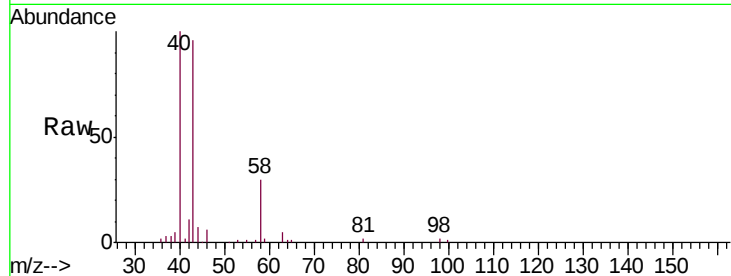
C09D6

Tgt Ion: 43 Resp: 39013

Ion Ratio Lower Upper

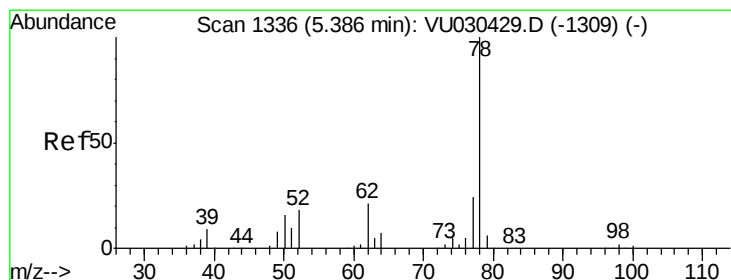
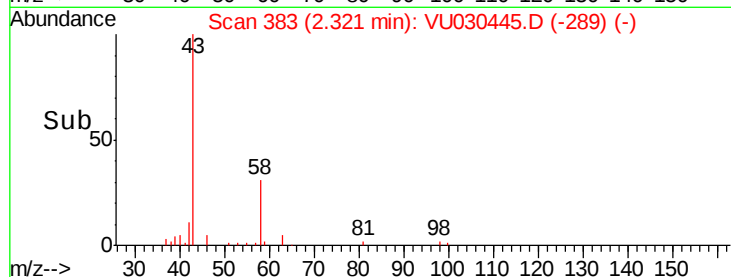
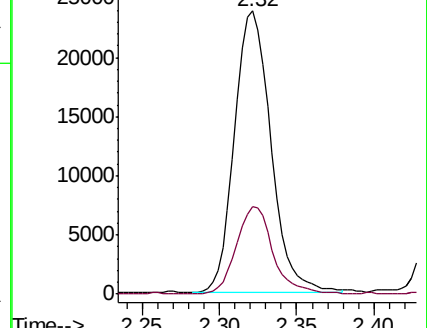
43 100

58 31.2 0.0 62.8



Abundance Ion 43.00 (42.70 to 43.70): VU030429.D (-362) (-)

Ion 58.00 (57.70 to 58.70): VU030429.D (-362) (-)



#33

Benzene

Concen: 18.854 ug/L

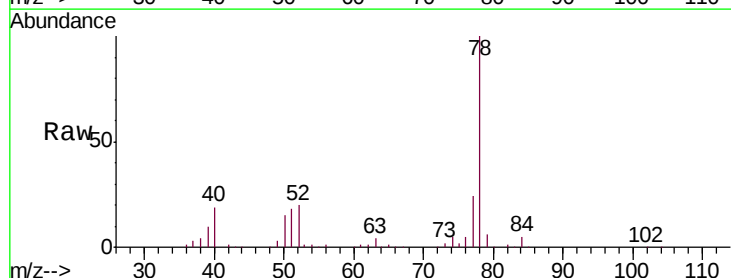
RT: 5.39 min Scan# 1336

Delta R.T. -0.00 min

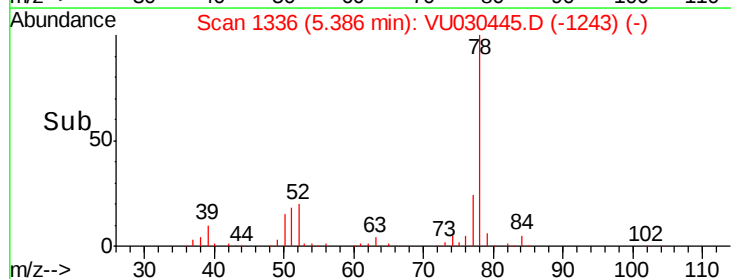
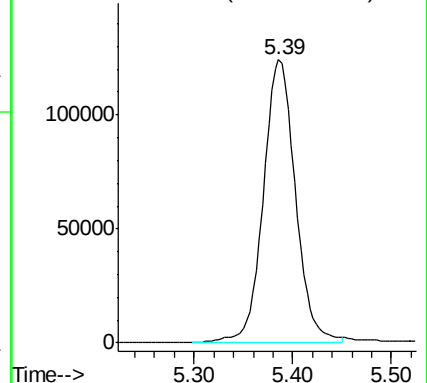
Lab File: VU030445.D

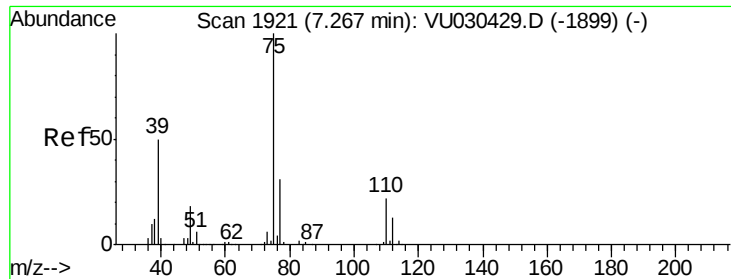
Acq: 26 Mar 2019 15:29

Tgt Ion: 78 Resp: 279546



Abundance Ion 78.00 (77.70 to 78.70): VU030429.D (-1309) (-)





#39

cis-1,3-Dichloropropene

Concen: 0.942 ug/L

RT: 7.22 min Scan# 1908

Delta R.T. -0.04 min

Lab File: VU030445.D

Acq: 26 Mar 2019 15:29

Instrument :

MSVOA_U

ClientSampleId :

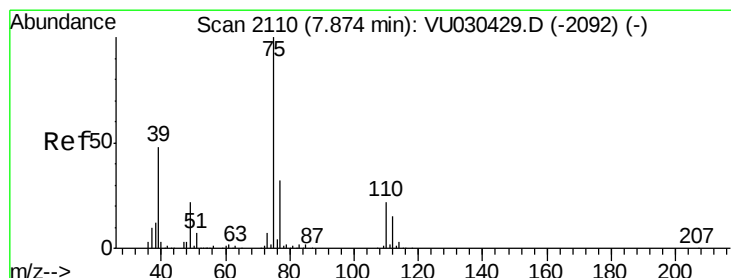
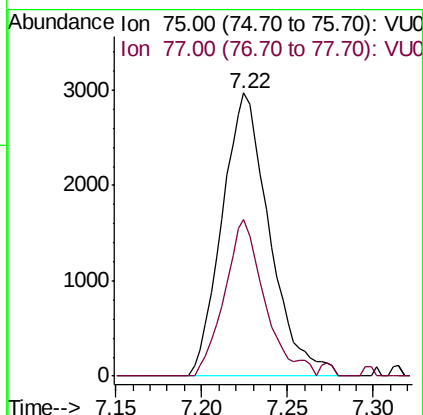
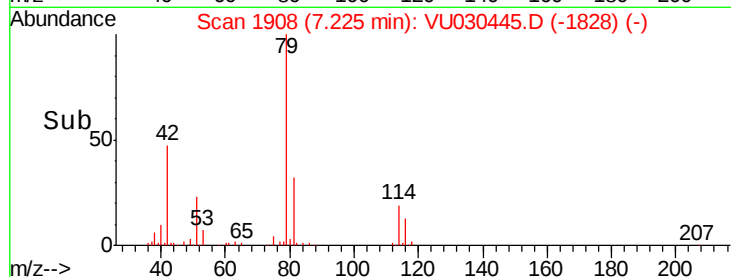
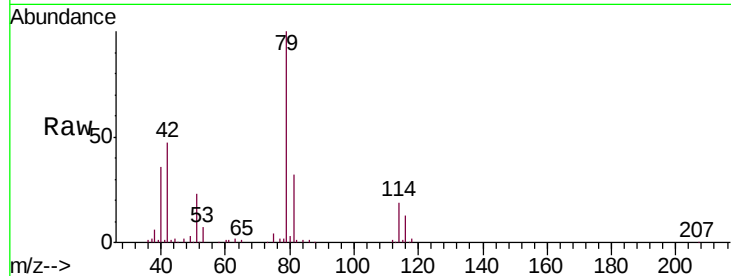
C09D6

Tgt Ion: 75 Resp: 5695

Ion Ratio Lower Upper

75 100

77 55.6 21.8 40.6#



#44

trans-1,3-Dichloropropene

Concen: 0.762 ug/L

RT: 7.85 min Scan# 2103

Delta R.T. -0.02 min

Lab File: VU030445.D

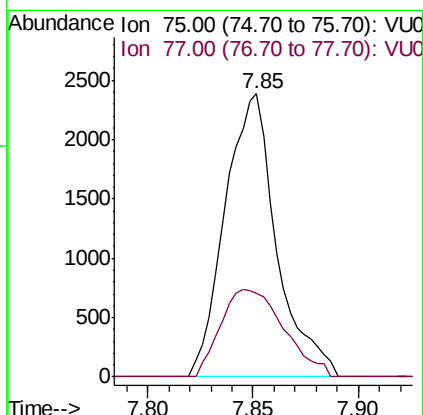
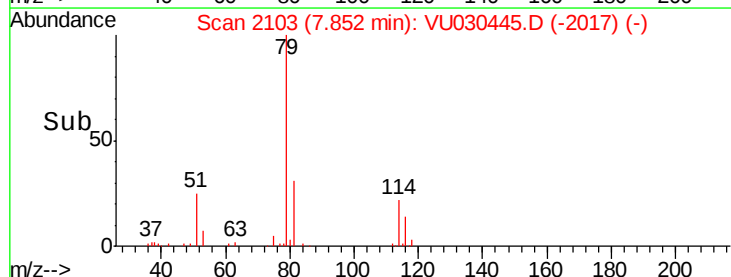
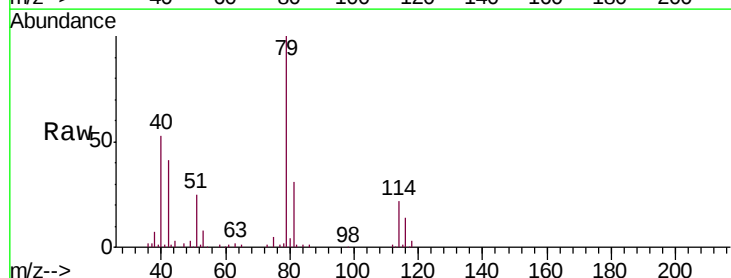
Acq: 26 Mar 2019 15:29

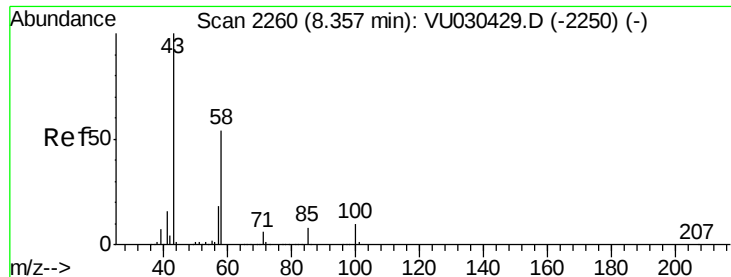
Tgt Ion: 75 Resp: 4056

Ion Ratio Lower Upper

75 100

77 29.6 22.0 40.8

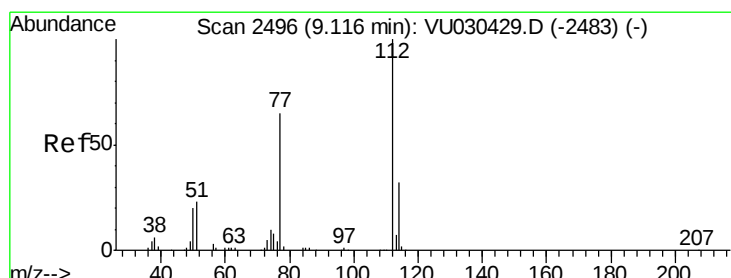
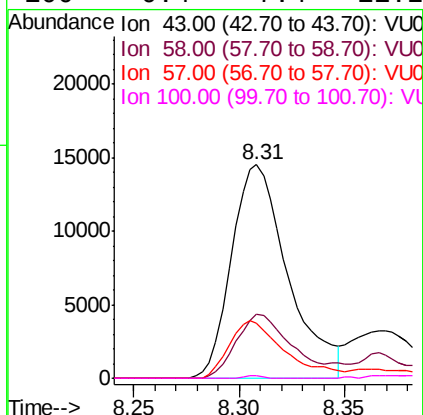
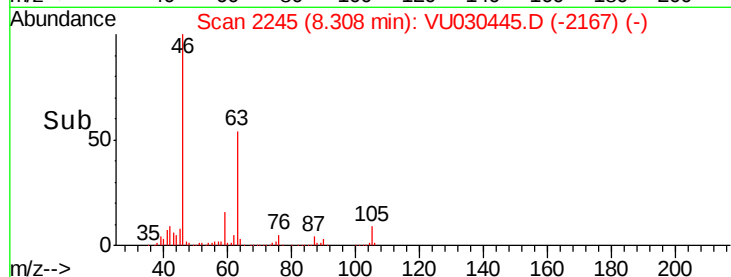
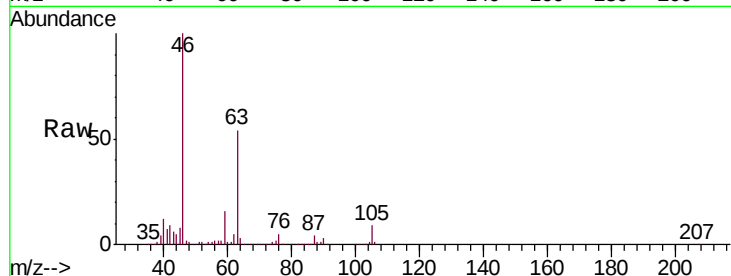




#48
2-Hexanone
Concen: 4.672 ug/L
RT: 8.31 min Scan# 2245
Delta R.T. -0.05 min
Lab File: VU030445.D
Acq: 26 Mar 2019 15:29

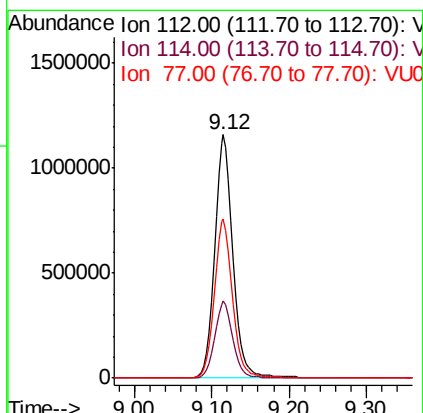
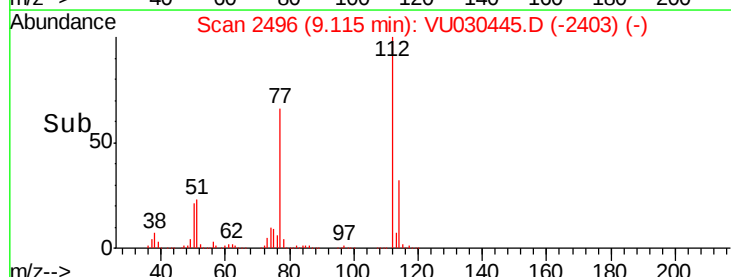
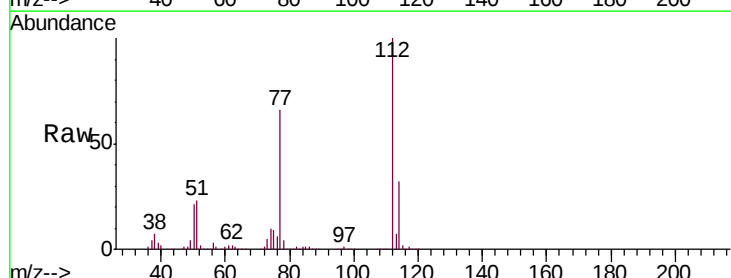
Instrument :
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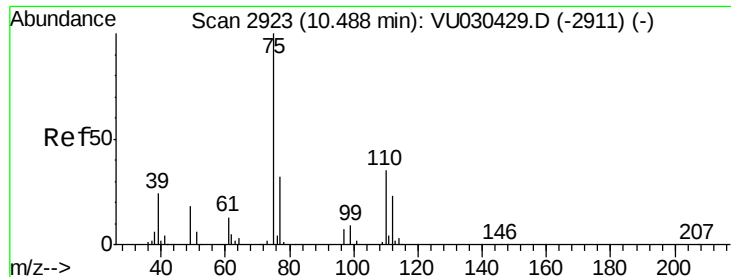
Tgt Ion: 43 Resp: 27063
Ion Ratio Lower Upper
43 100
58 28.9 42.5 63.7#
57 26.6 15.0 22.6#
100 0.4 7.4 11.2#



#51
Chlorobenzene
Concen: 207.730 ug/L
RT: 9.12 min Scan# 2496
Delta R.T. -0.00 min
Lab File: VU030445.D
Acq: 26 Mar 2019 15:29

Tgt Ion: 112 Resp: 1937286
Ion Ratio Lower Upper
112 100
114 31.5 21.5 39.9
77 65.5 51.4 77.0





#59

1,2,3-Trichloropropane

Concen: 18.631 ug/L

RT: 11.41 min Scan# 3211

Delta R.T. 0.93 min

Lab File: VU030445.D

Acq: 26 Mar 2019 15:29

Instrument :

MSVOA_U

ClientSampleID :

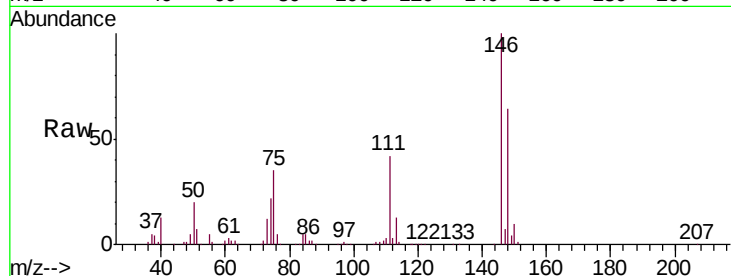
C09D6

Tgt Ion: 75 Resp: 95421

Ion Ratio Lower Upper

75 100

77 0.8 25.4 38.2#



Abundance Ion 75.00 (74.70 to 75.70): VU030429.D (-2911) (-)

Ion 77.00 (76.70 to 77.70): VU030429.D (-2911) (-)

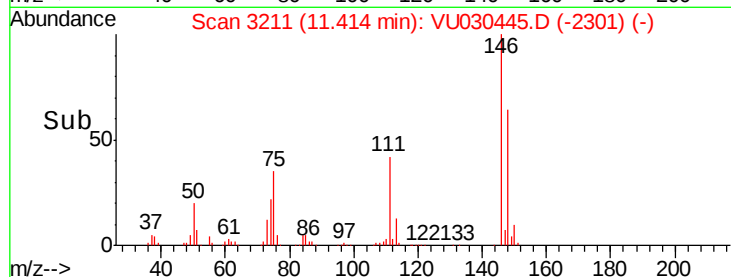
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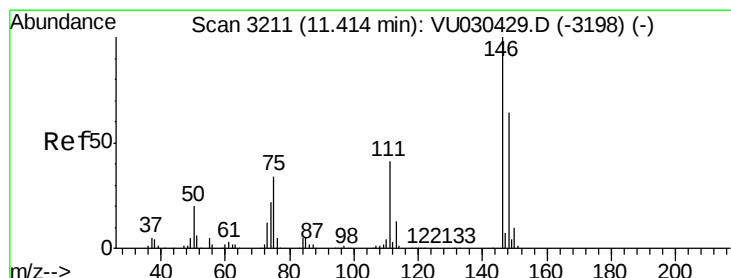
50000

0

11.35 11.40 11.45



Time-->



#62

1,3-Dichlorobenzene

Concen: 41.251 ug/L

RT: 11.41 min Scan# 3211

Delta R.T. -0.00 min

Lab File: VU030445.D

Acq: 26 Mar 2019 15:29

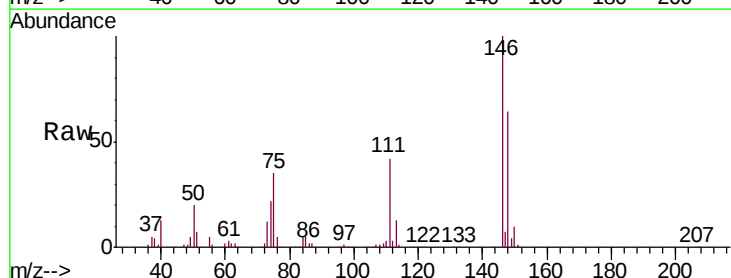
Tgt Ion: 146 Resp: 276085

Ion Ratio Lower Upper

146 100

111 42.2 29.2 54.2

148 64.3 44.4 82.4



Abundance Ion 146.00 (145.70 to 146.70): VU030429.D (-3198) (-)

Ion 111.00 (110.70 to 111.70): VU030429.D (-3198) (-)

Ion 148.00 (147.70 to 148.70): VU030429.D (-3198) (-)

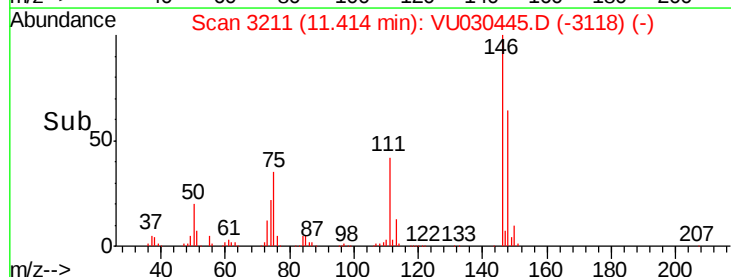
1500000

1000000

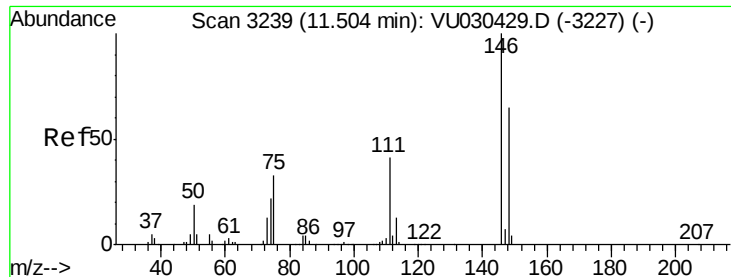
500000

0

11.35 11.40 11.45



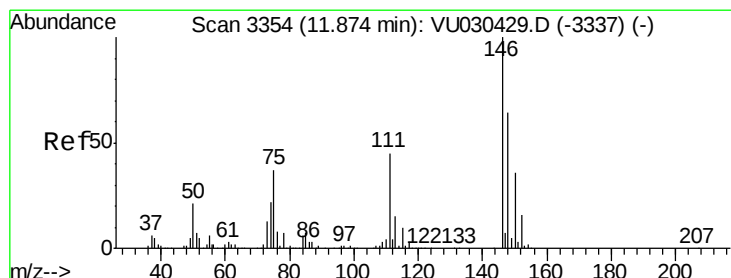
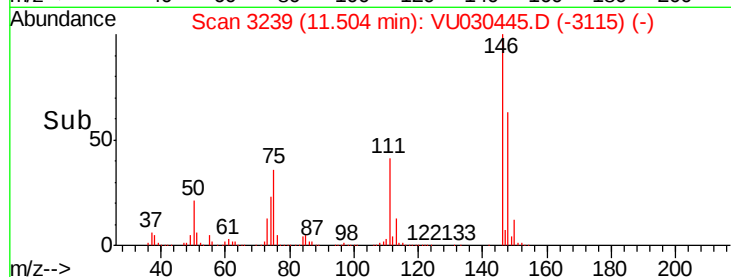
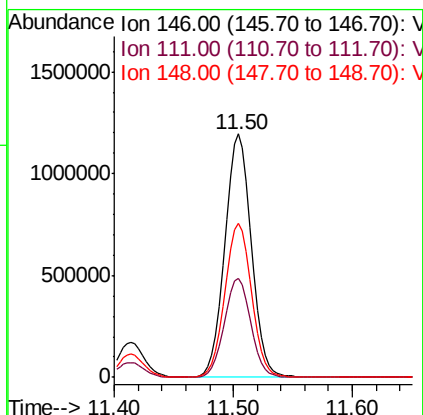
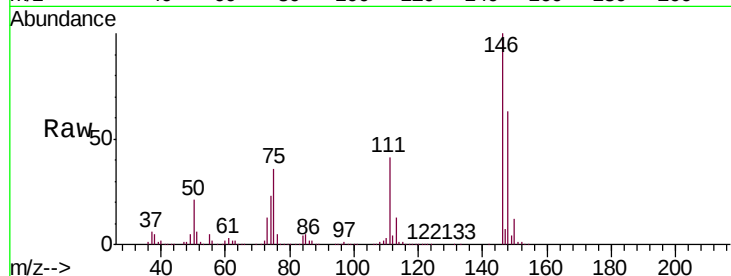
Time-->



#63
 1,4-Dichlorobenzene
 Concen: 266.281 ug/L
 RT: 11.50 min Scan# 3239
 Delta R.T. -0.00 min
 Lab File: VU030445.D
 Acq: 26 Mar 2019 15:29

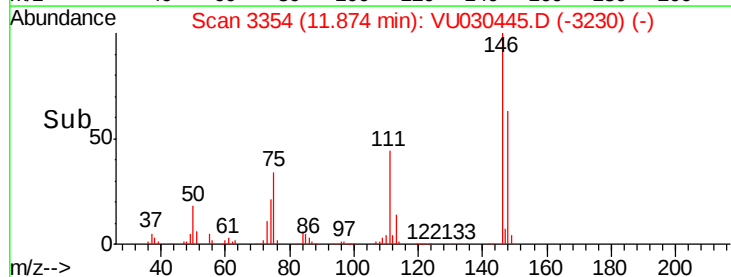
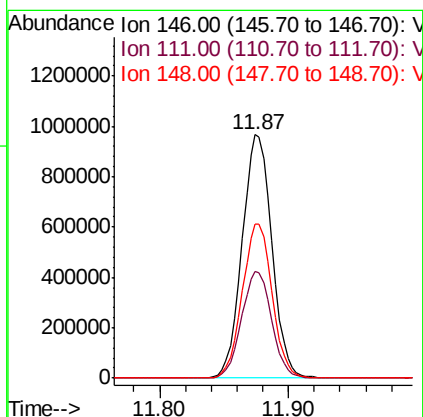
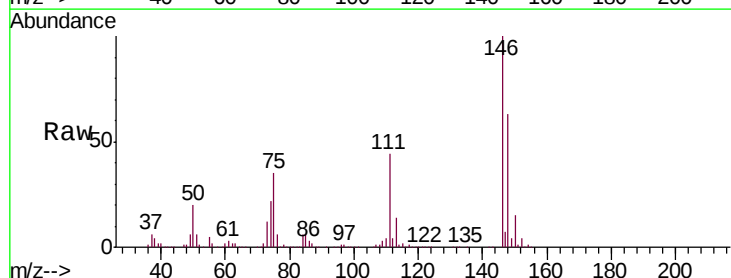
Instrument :
 MSVOA_U
 ClientSampleId :
 C09D6

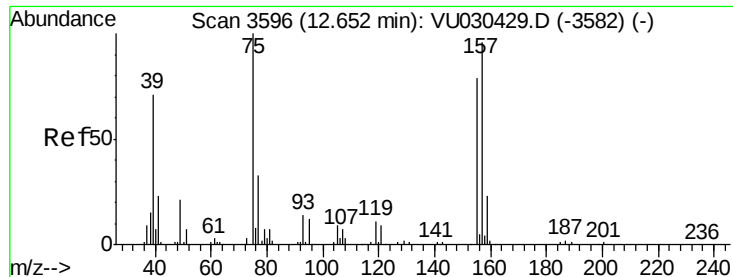
Tgt Ion:146 Resp: 1834701
 Ion Ratio Lower Upper
 146 100
 111 40.8 28.7 53.3
 148 63.3 44.3 82.3



#65
 1,2-Dichlorobenzene
 Concen: 228.879 ug/L
 RT: 11.87 min Scan# 3354
 Delta R.T. -0.00 min
 Lab File: VU030445.D
 Acq: 26 Mar 2019 15:29

Tgt Ion:146 Resp: 1548945
 Ion Ratio Lower Upper
 146 100
 111 43.8 34.9 52.3
 148 63.1 51.2 76.8

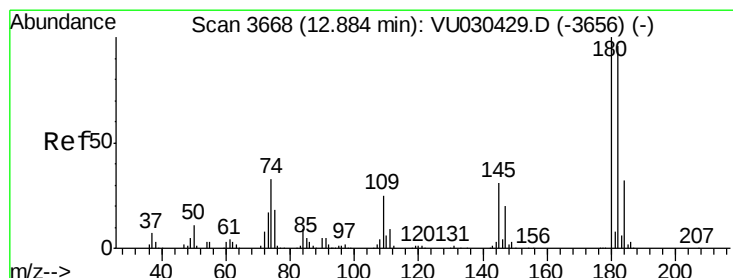
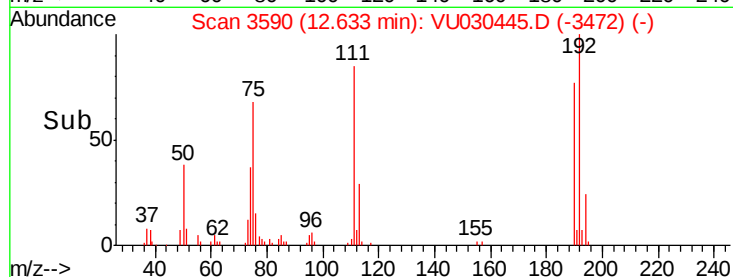
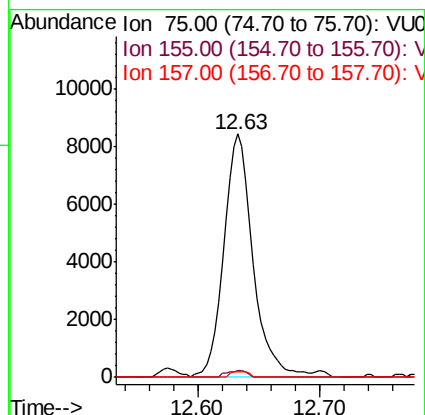
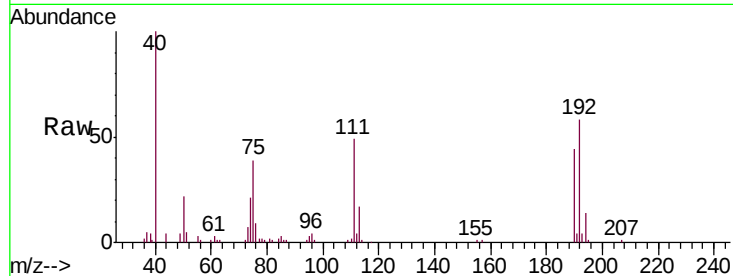




#66
 1,2-Dibromo-3-chloropropane
 Concen: 9.464 ug/L
 RT: 12.63 min Scan# 3590
 Delta R.T. -0.02 min
 Lab File: VU030445.D
 Acq: 26 Mar 2019 15:29

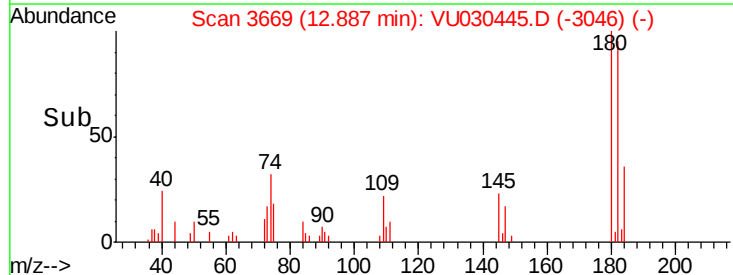
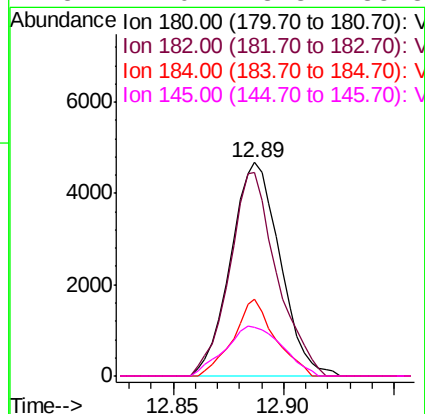
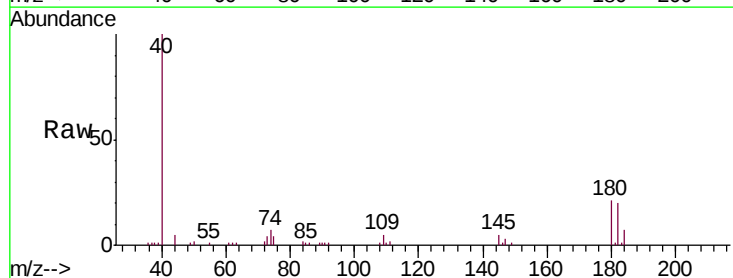
Instrument :
 MSVOA_U
 ClientSampled :
 C09D6

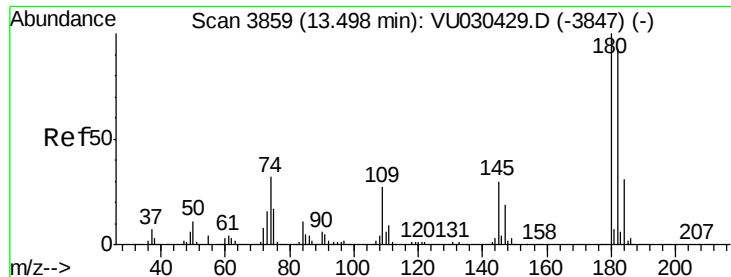
Tgt Ion: 75 Resp: 14261
 Ion Ratio Lower Upper
 75 100
 155 3.0 61.8 92.6#
 157 2.3 80.2 120.4#



#67
 1,3,5-Trichlorobenzene
 Concen: 1.451 ug/L
 RT: 12.89 min Scan# 3669
 Delta R.T. 0.00 min
 Lab File: VU030445.D
 Acq: 26 Mar 2019 15:29

Tgt Ion: 180 Resp: 7269
 Ion Ratio Lower Upper
 180 100
 182 91.2 75.9 113.9
 184 30.5 24.1 36.1
 145 27.0 23.8 35.8

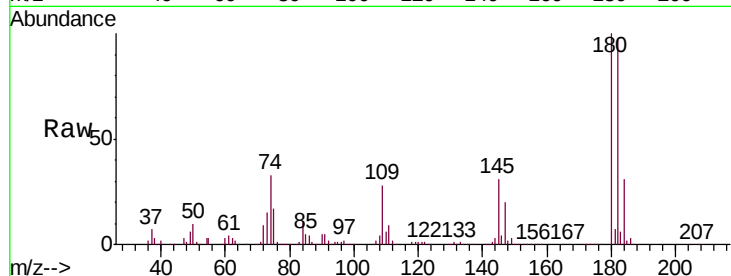




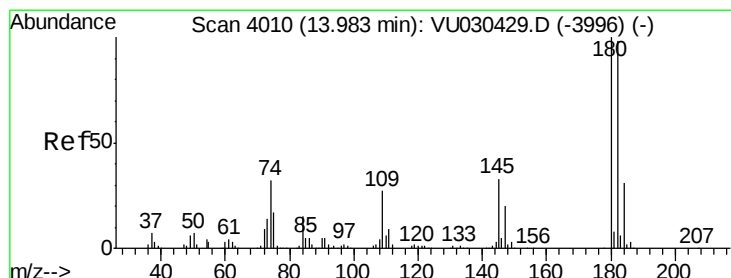
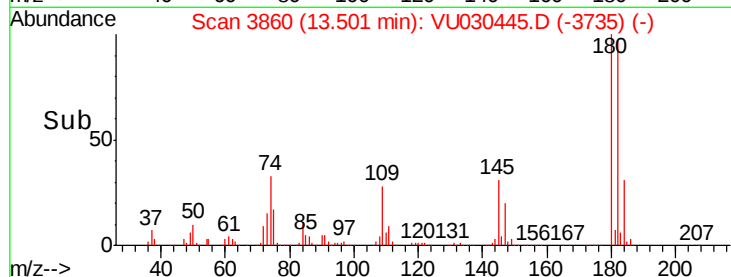
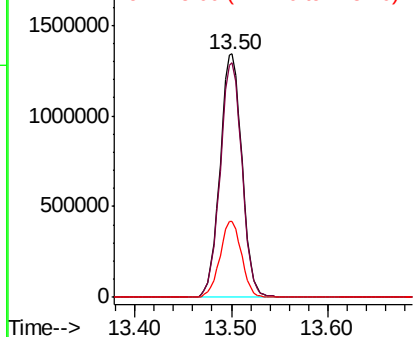
#68
 1,2,4-trichlorobenzene
 Concen: 485.766 ug/L
 RT: 13.50 min Scan# 3860
 Delta R.T. 0.00 min
 Lab File: VU030445.D
 Acq: 26 Mar 2019 15:29

Instrument :
 MSVOA_U
 ClientSampleId :
 C09D6

Tgt Ion:180 Resp: 2114751
 Ion Ratio Lower Upper
 180 100
 182 96.0 76.1 114.1
 145 30.8 24.5 36.7

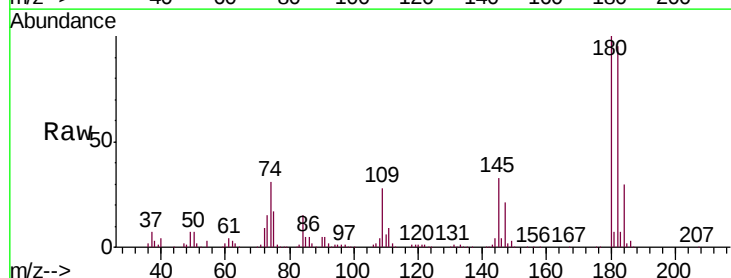


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V



#70
 1,2,3-Trichlorobenzene
 Concen: 173.259 ug/L
 RT: 13.98 min Scan# 4010
 Delta R.T. -0.00 min
 Lab File: VU030445.D
 Acq: 26 Mar 2019 15:29

Tgt Ion:180 Resp: 796475
 Ion Ratio Lower Upper
 180 100
 182 95.3 77.4 116.2
 145 32.7 25.9 38.9



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

