

Data File : VU030456.D
Acq On : 26 Mar 2019 20:16
Operator : JC/SP
Sample : K2022-18 50X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C09F3

Quant Time: Mar 27 06:05:03 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Mar 27 06:00:22 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	448747	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	421289	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	171316	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	167679	46.43	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	92.86%
7) Chloroethane-d5	1.67	69	139546	48.75	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	97.50%
11) 1,1-Dichloroethene-d2	2.27	63	240301	35.08	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	70.16%
21) 2-Butanone-d5	4.17	46	355185	104.62	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	104.62%
24) Chloroform-d	4.64	84	299386	48.11	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.22%
26) 1,2-Dichloroethane-d4	5.31	65	205298	50.42	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.84%
32) Benzene-d6	5.34	84	597427	49.45	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.90%
36) 1,2-Dichloropropane-d6	6.33	67	216351	52.34	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	104.68%
41) Toluene-d8	7.56	98	517878	47.73	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.46%
43) trans-1,3-Dichloropropene-	7.85	79	92772	47.73	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.46%
47) 2-Hexanone-d5	8.31	63	230066	102.71	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	102.71%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	297065	50.22	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.44%
64) 1,2-Dichlorobenzene-d4	11.85	152	180409	52.56	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.12%

Target Compounds

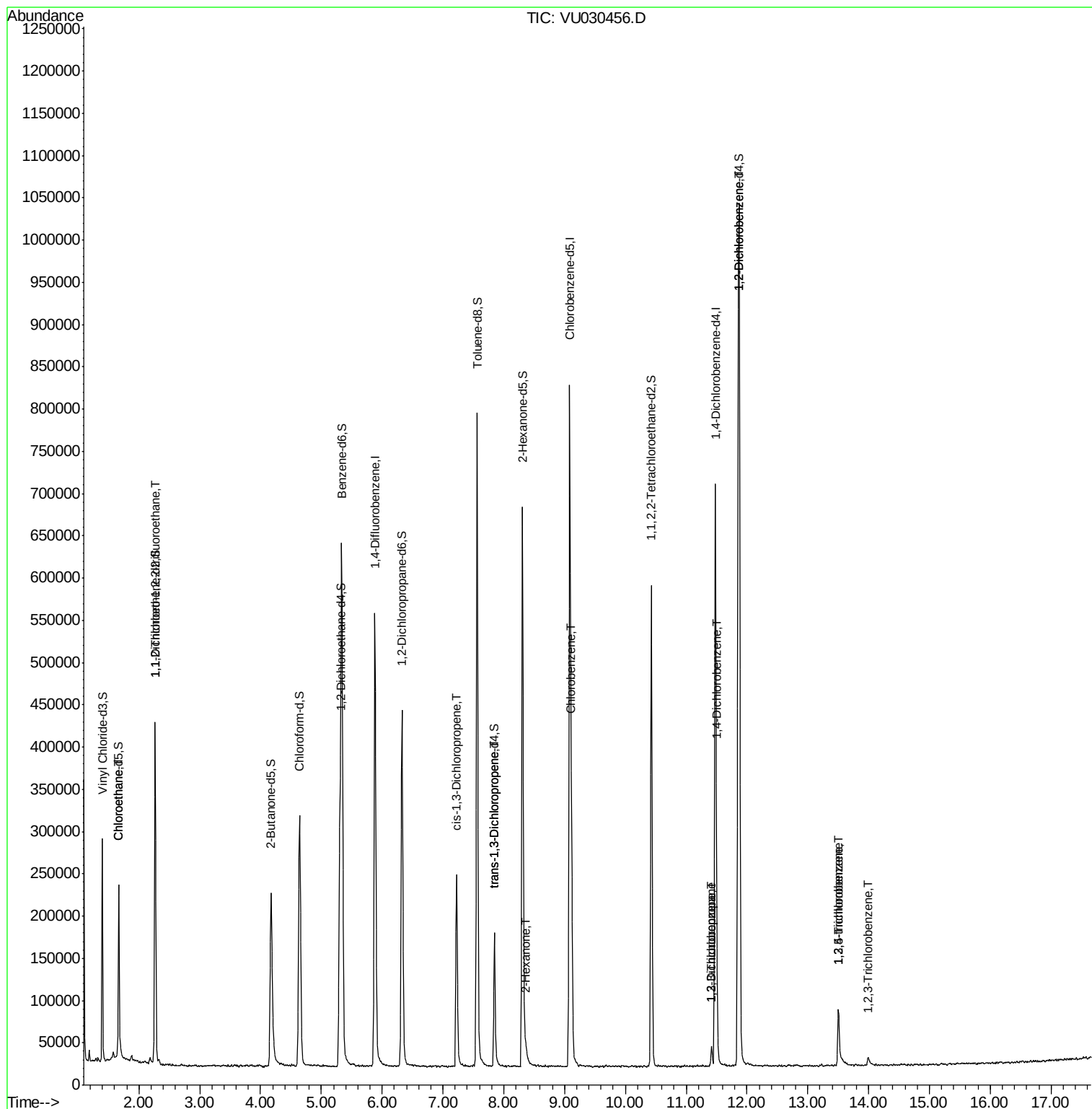
					Qvalue	
8) Chloroethane	1.66	64	6023	2.032	ug/L #	58
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	2049	0.626	ug/L #	21
39) cis-1,3-Dichloropropene	7.22	75	4692	0.802	ug/L #	48
44) trans-1,3-Dichloropropene	7.85	75	3660	0.711	ug/L	87
48) 2-Hexanone	8.36	43	5830	1.041	ug/L #	45
51) Chlorobenzene	9.12	112	158508	17.572	ug/L	99
59) 1,2,3-Trichloropropane	11.41	75	3231	0.652	ug/L #	43
62) 1,3-Dichlorobenzene	11.42	146	9413	1.680	ug/L	86
63) 1,4-Dichlorobenzene	11.50	146	40376	7.000	ug/L	92
65) 1,2-Dichlorobenzene	11.87	146	315586	55.708	ug/L	99
67) 1,3,5-Trichlorobenzene	13.50	180	29143	6.948	ug/L #	85
68) 1,2,4-trichlorobenzene	13.50	180	29143	7.997	ug/L #	83
70) 1,2,3-Trichlorobenzene	14.00	180	4125	1.072	ug/L #	79

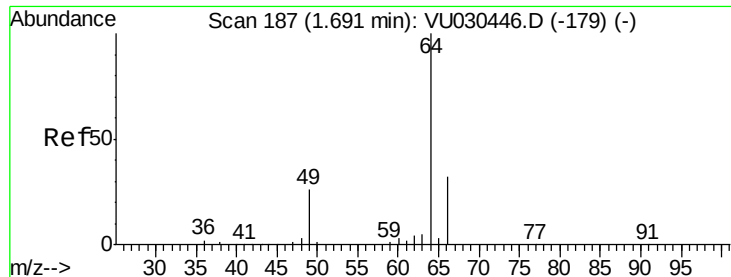
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
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#8

Chloroethane

Concen: 2.032 ug/L

RT: 1.66 min Scan# 178

Delta R.T. -0.03 min

Lab File: VU030456.D

Acq: 26 Mar 2019 20:16

Instrument :

MSVOA_U

ClientSampled :

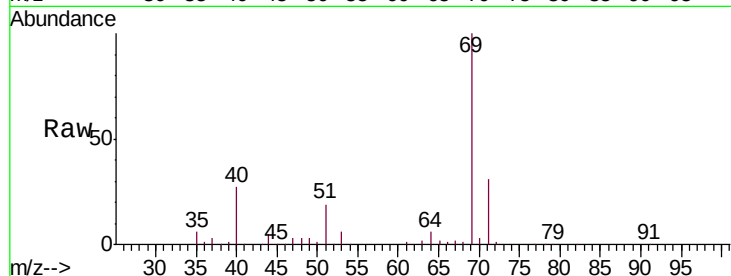
C09F3

Tgt Ion: 64 Resp: 6023

Ion Ratio Lower Upper

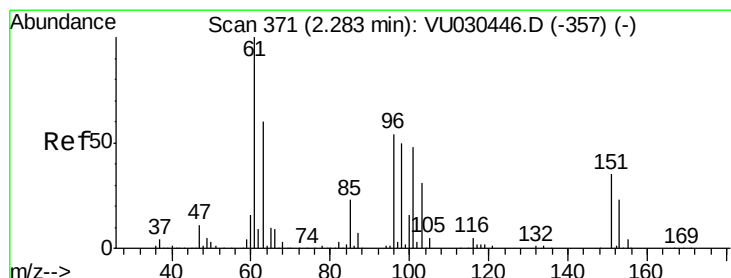
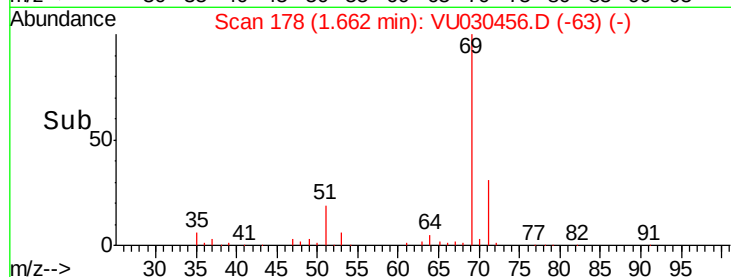
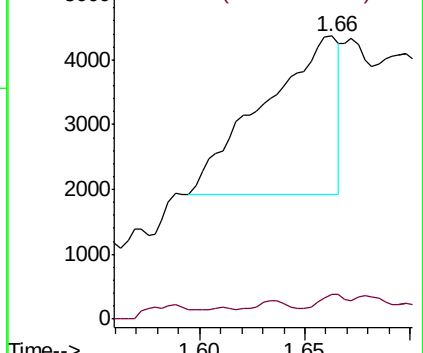
64 100

66 8.9 22.5 41.7#



Abundance Ion 64.00 (63.70 to 64.70): VU030446.D (-179) (-)

Ion 66.00 (65.70 to 66.70): VU030446.D (-179) (-)



#10

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

Concen: 0.626 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.02 min

Lab File: VU030456.D

Acq: 26 Mar 2019 20:16

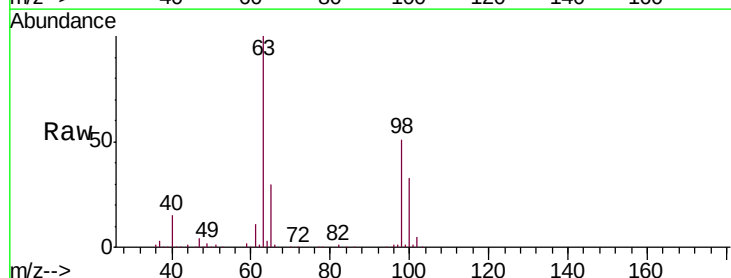
Tgt Ion: 101 Resp: 2049

Ion Ratio Lower Upper

101 100

85 0.0 34.8 52.2#

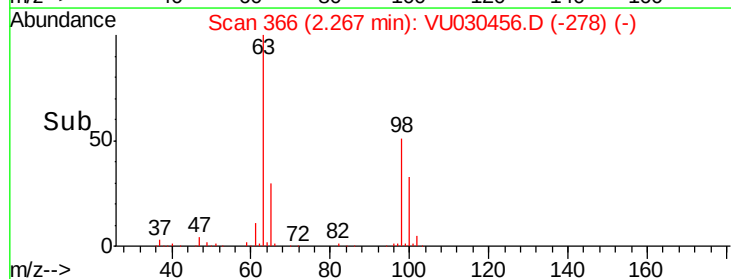
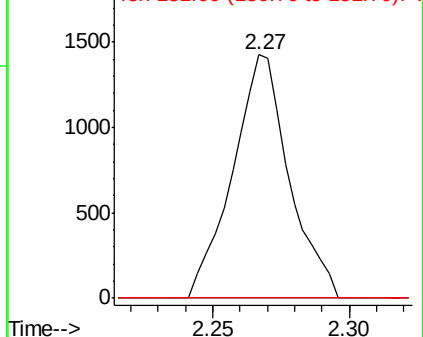
151 0.0 56.6 85.0#

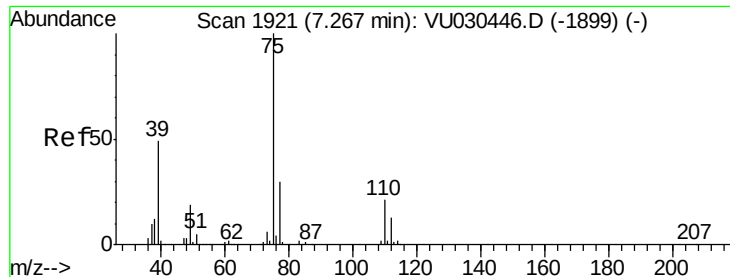


Abundance Ion 101.00 (100.70 to 101.70): VU030446.D (-357) (-)

Ion 85.00 (84.70 to 85.70): VU030446.D (-357) (-)

Ion 151.00 (150.70 to 151.70): VU030446.D (-357) (-)





#39

cis-1,3-Dichloropropene

Concen: 0.802 ug/L

RT: 7.22 min Scan# 1908

Delta R.T. -0.04 min

Lab File: VU030456.D

Acq: 26 Mar 2019 20:16

Instrument :

MSVOA_U

ClientSampleId :

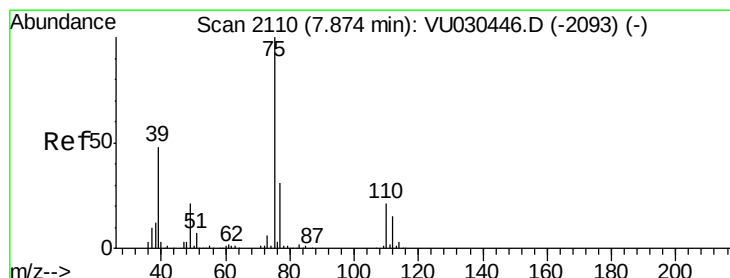
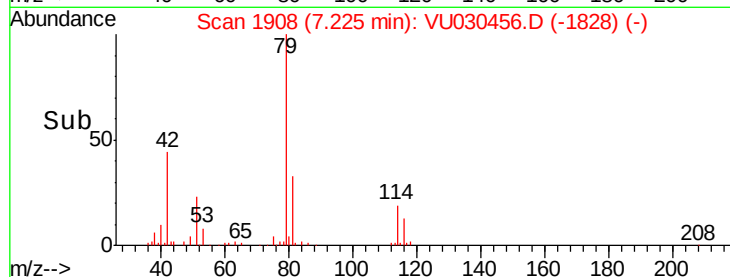
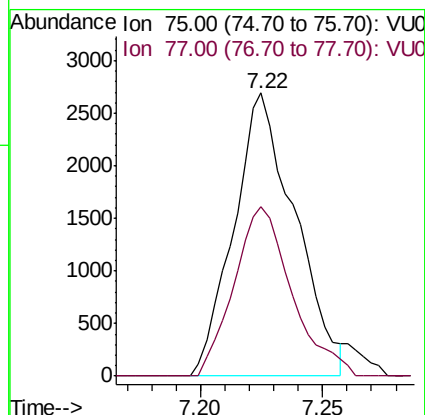
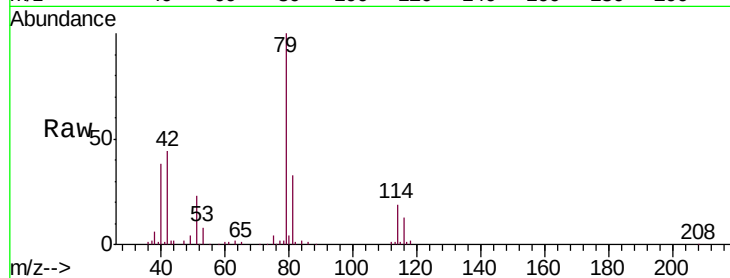
C09F3

Tgt Ion: 75 Resp: 4692

Ion Ratio Lower Upper

75 100

77 59.6 21.8 40.6#



#44

trans-1,3-Dichloropropene

Concen: 0.711 ug/L

RT: 7.85 min Scan# 2101

Delta R.T. -0.03 min

Lab File: VU030456.D

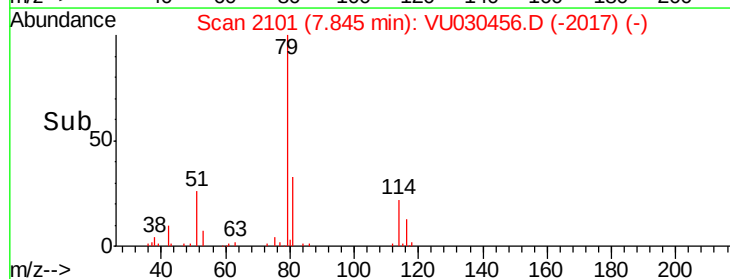
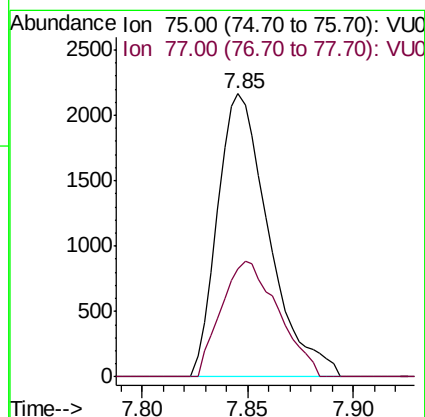
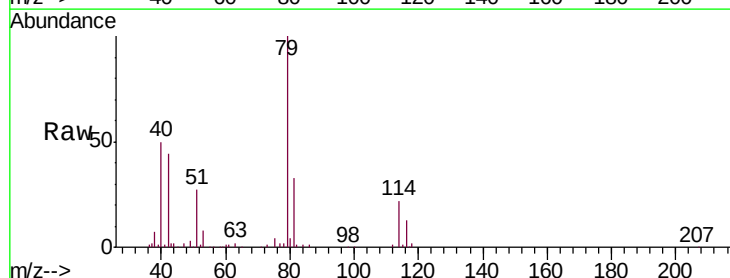
Acq: 26 Mar 2019 20:16

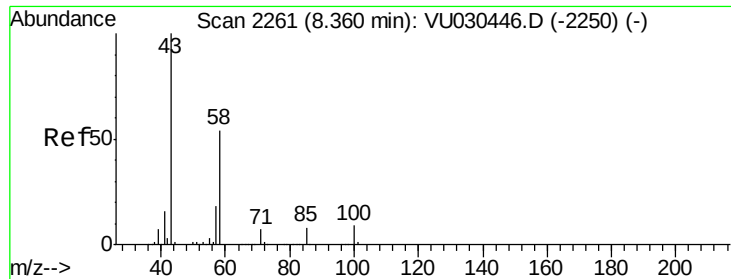
Tgt Ion: 75 Resp: 3660

Ion Ratio Lower Upper

75 100

77 38.4 22.0 40.8

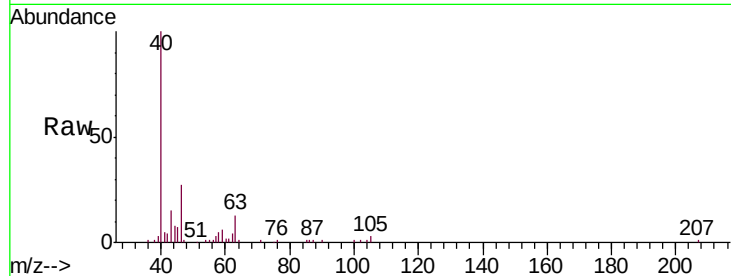




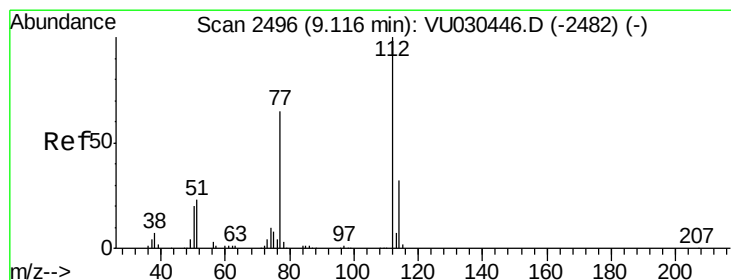
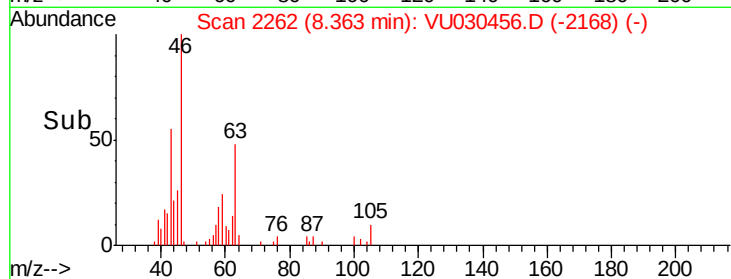
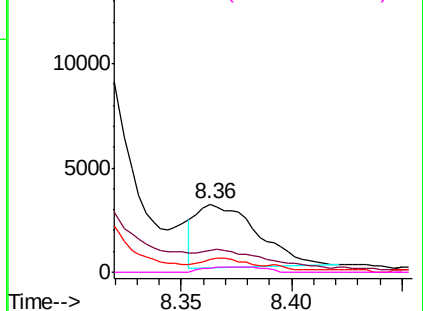
#48
2-Hexanone
Concen: 1.041 ug/L
RT: 8.36 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VU030456.D
Acq: 26 Mar 2019 20:16

Instrument :
MSVOA_U
ClientSampleId :
C09F3

Tgt Ion:	43	Resp:	5830
Ion	Ratio	Lower	Upper
43	100		
58	0.0	42.5	63.7#
57	8.6	15.0	22.6#
100	7.8	7.4	11.2

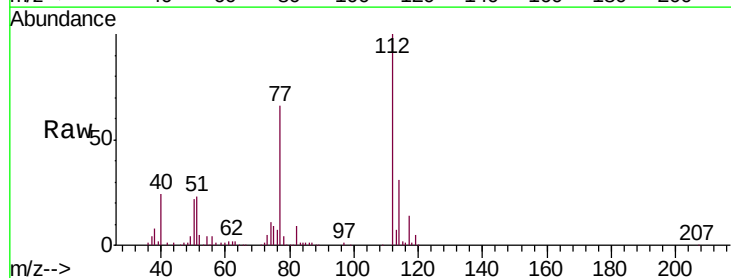


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

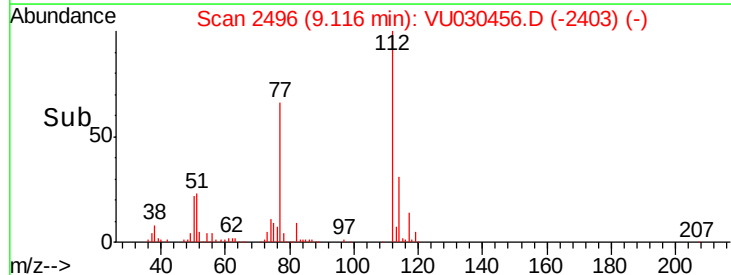
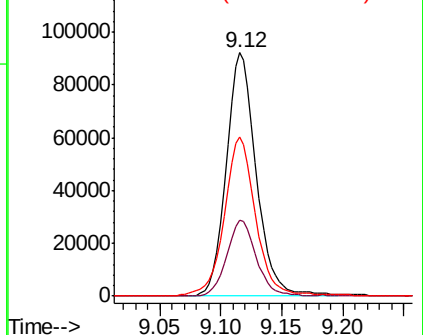


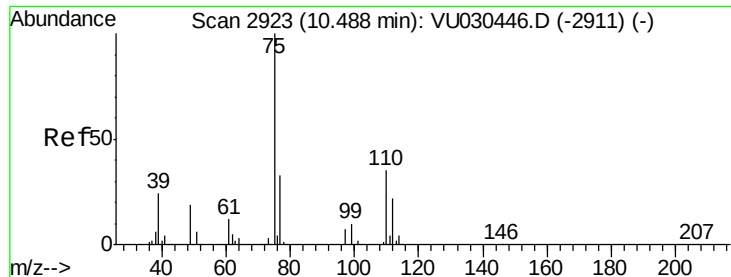
#51
Chlorobenzene
Concen: 17.572 ug/L
RT: 9.12 min Scan# 2496
Delta R.T. 0.00 min
Lab File: VU030456.D
Acq: 26 Mar 2019 20:16

Tgt Ion:	112	Resp:	158508
Ion	Ratio	Lower	Upper
112	100		
114	31.1	21.5	39.9
77	65.5	51.4	77.0



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): VU0

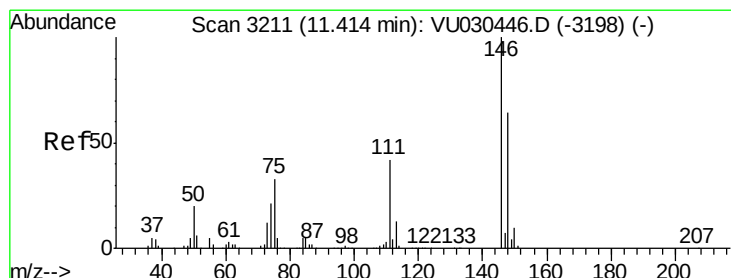
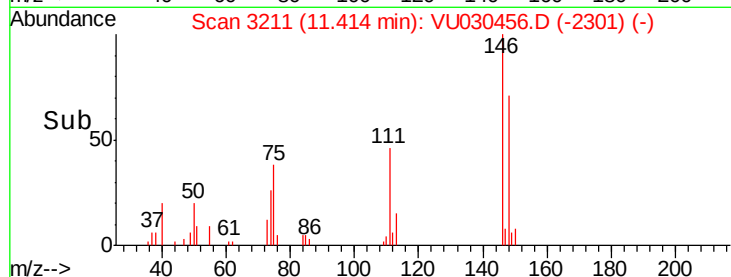
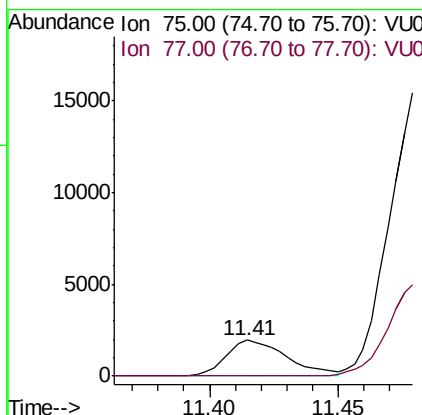
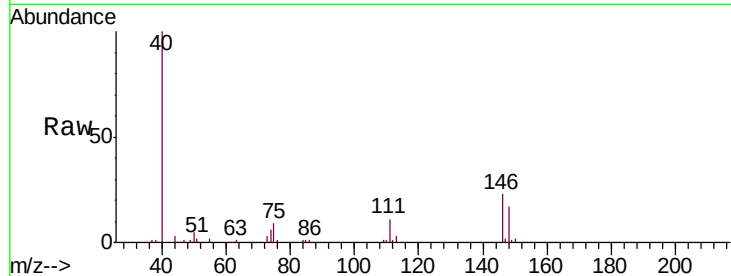




#59
 1,2,3-Trichloropropane
 Concen: 0.652 ug/L
 RT: 11.41 min Scan# 3211
 Delta R.T. 0.93 min
 Lab File: VU030456.D
 Acq: 26 Mar 2019 20:16

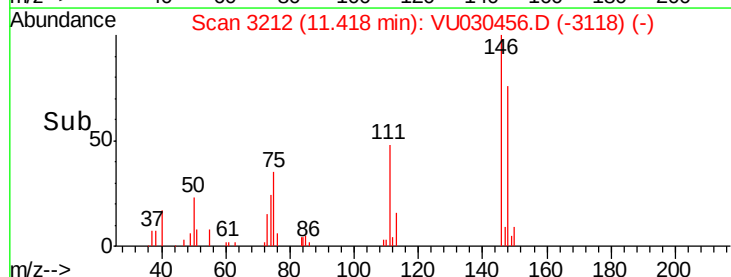
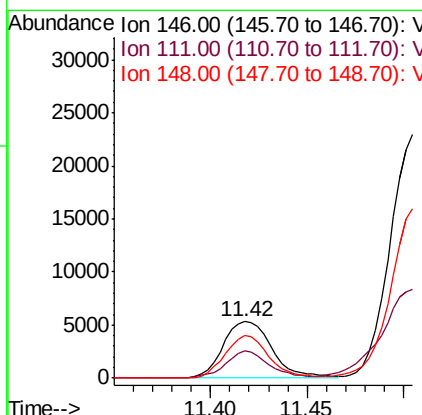
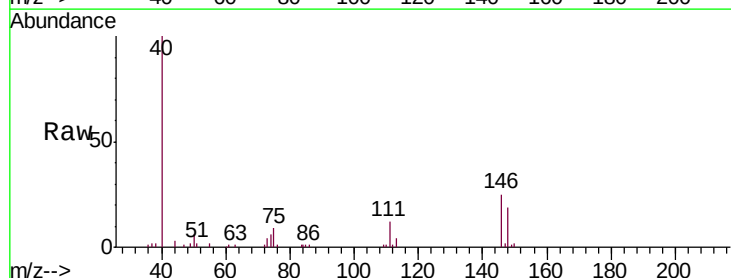
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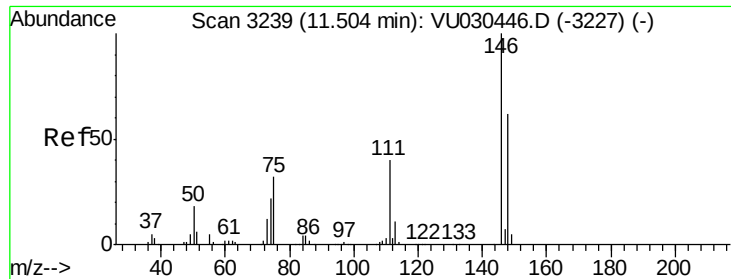
Tgt Ion: 75 Resp: 3231
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.4 38.2#



#62
 1,3-Dichlorobenzene
 Concen: 1.680 ug/L
 RT: 11.42 min Scan# 3212
 Delta R.T. 0.00 min
 Lab File: VU030456.D
 Acq: 26 Mar 2019 20:16

Tgt Ion: 146 Resp: 9413
 Ion Ratio Lower Upper
 146 100
 111 48.2 29.2 54.2
 148 75.9 44.4 82.4

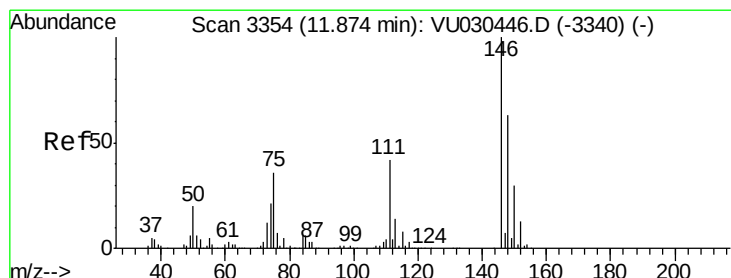
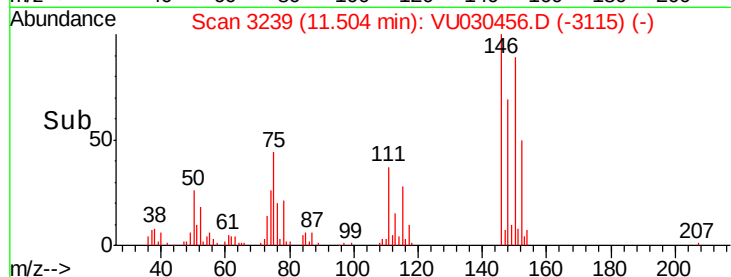
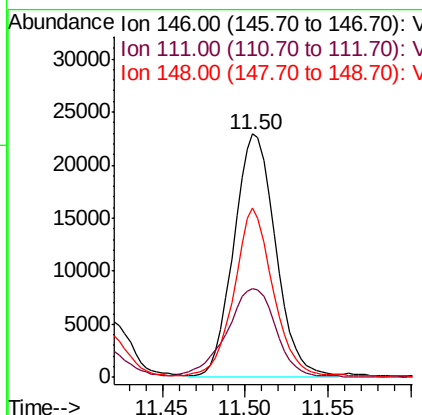
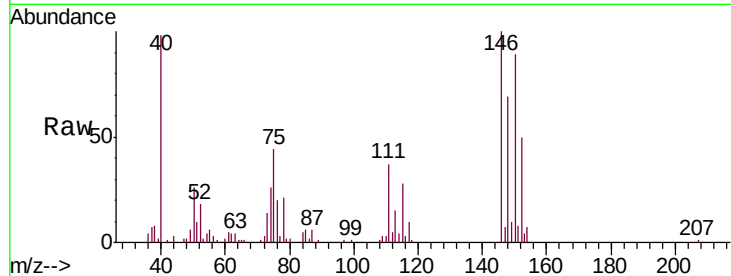




#63
 1,4-Dichlorobenzene
 Concen: 7.000 ug/L
 RT: 11.50 min Scan# 3239
 Delta R.T. 0.00 min
 Lab File: VU030456.D
 Acq: 26 Mar 2019 20:16

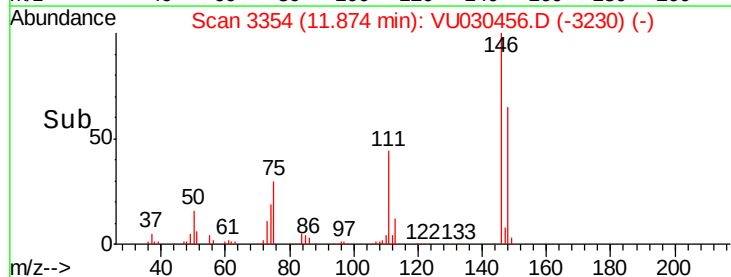
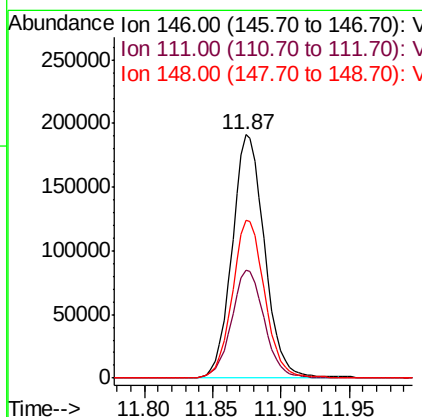
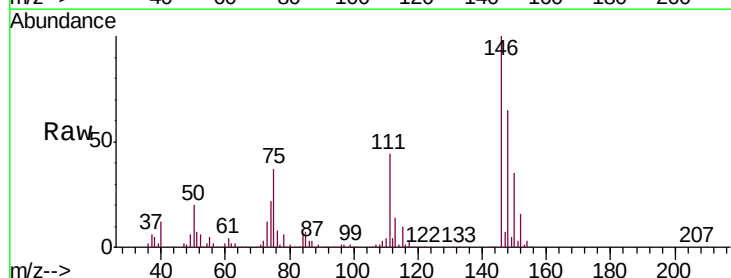
Instrument :
 MSVOA_U
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 C09F3

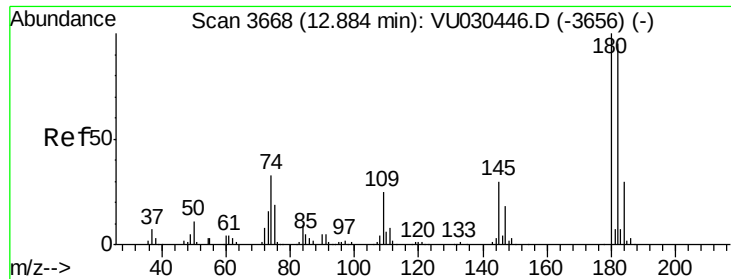
Tgt Ion:146 Resp: 40376
 Ion Ratio Lower Upper
 146 100
 111 36.5 28.7 53.3
 148 69.4 44.3 82.3



#65
 1,2-Dichlorobenzene
 Concen: 55.708 ug/L
 RT: 11.87 min Scan# 3354
 Delta R.T. 0.00 min
 Lab File: VU030456.D
 Acq: 26 Mar 2019 20:16

Tgt Ion:146 Resp: 315586
 Ion Ratio Lower Upper
 146 100
 111 44.4 34.9 52.3
 148 64.9 51.2 76.8

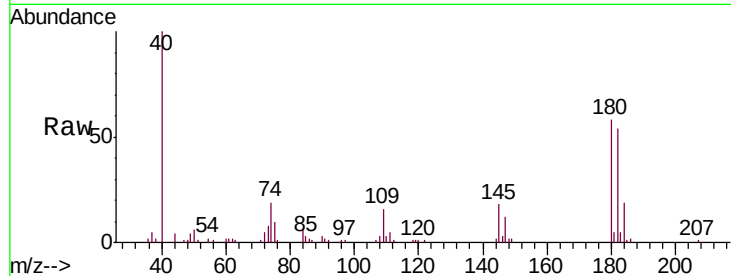




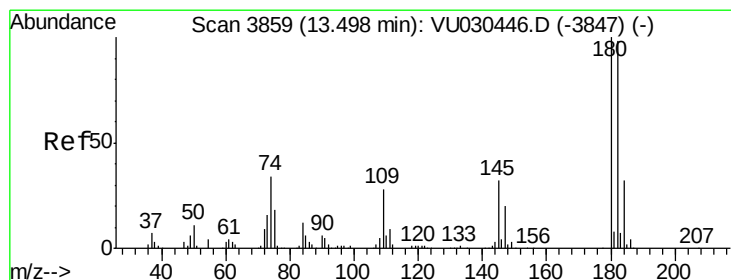
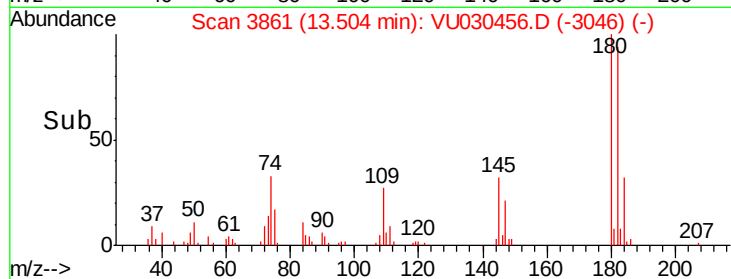
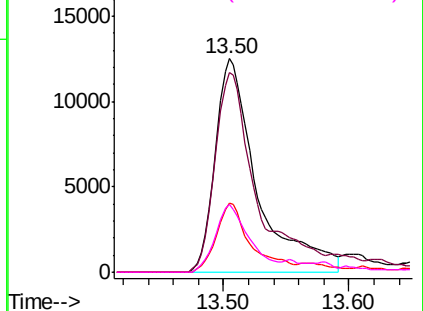
#67
 1,3,5-Trichlorobenzene
 Concen: 6.948 ug/L
 RT: 13.50 min Scan# 3861
 Delta R.T. 0.62 min
 Lab File: VU030456.D
 Acq: 26 Mar 2019 20:16

Instrument :
 MSVOA_U
 ClientSampleId :
 C09F3

Tgt Ion:180 Resp: 29143
 Ion Ratio Lower Upper
 180 100
 182 75.7 75.9 113.9#
 184 26.5 24.1 36.1
 145 25.9 23.8 35.8

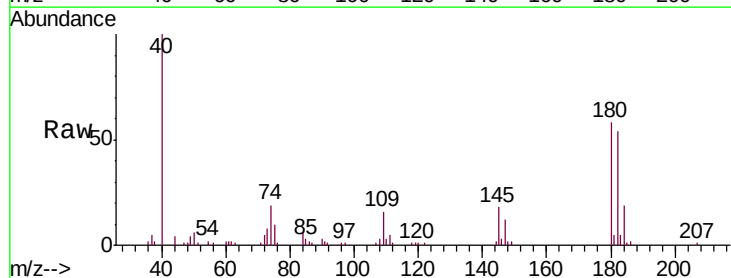


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

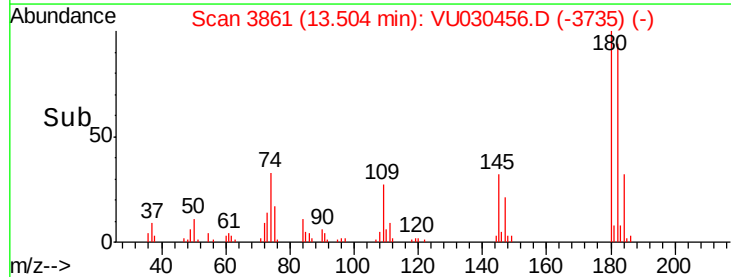
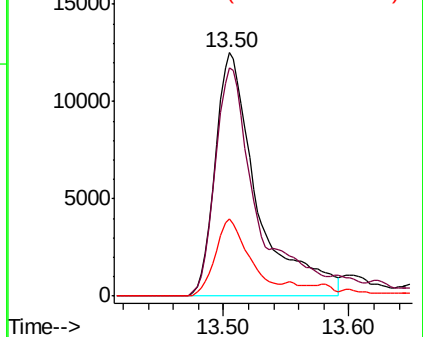


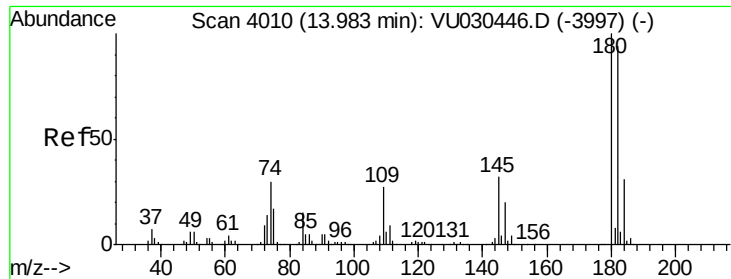
#68
 1,2,4-trichlorobenzene
 Concen: 7.997 ug/L
 RT: 13.50 min Scan# 3861
 Delta R.T. 0.01 min
 Lab File: VU030456.D
 Acq: 26 Mar 2019 20:16

Tgt Ion:180 Resp: 29143
 Ion Ratio Lower Upper
 180 100
 182 75.7 76.1 114.1#
 145 25.9 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

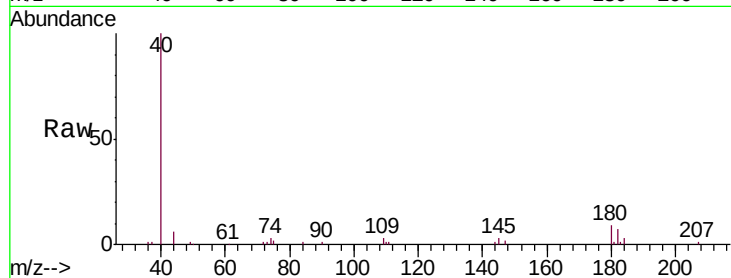




#70
 1,2,3-Trichlorobenzene
 Concen: 1.072 ug/L
 RT: 14.00 min Scan# 4015
 Delta R.T. 0.02 min
 Lab File: VU030456.D
 Acq: 26 Mar 2019 20:16

Instrument :
 MSVOA_U
 ClientSampleId :
 C09F3

Tgt Ion:180 Resp: 4125
 Ion Ratio Lower Upper
 180 100
 182 78.9 77.4 116.2
 145 15.0 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

