

Data File : VU030440.D
Acq On : 26 Mar 2019 13:34
Operator : JC/SP
Sample : K2070-16 200X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C09E2

Quant Time: Mar 27 04:34:31 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	454694	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	443377	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	183593	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	198128	54.14	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	108.28%
7) Chloroethane-d5	1.68	69	157514	54.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	108.62%
11) 1,1-Dichloroethene-d2	2.39	63	477	0.07	ug/L	0.12
Spiked Amount	50.000	Range	60 - 125	Recovery	=	0.14%#
21) 2-Butanone-d5	4.17	46	350499	101.89	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	101.89%
24) Chloroform-d	4.64	84	322069	51.08	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.16%
26) 1,2-Dichloroethane-d4	5.31	65	217638	52.75	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.50%
32) Benzene-d6	5.34	84	664715	52.28	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.56%
36) 1,2-Dichloropropane-d6	6.33	67	232300	53.40	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	106.80%
41) Toluene-d8	7.56	98	567848	49.73	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.46%
43) trans-1,3-Dichloropropene-	7.85	79	98196	48.00	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.00%
47) 2-Hexanone-d5	8.31	63	223577	94.84	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	94.84%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	302507	48.59	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.18%
64) 1,2-Dichlorobenzene-d4	11.86	152	196595	53.44	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.88%

Target Compounds

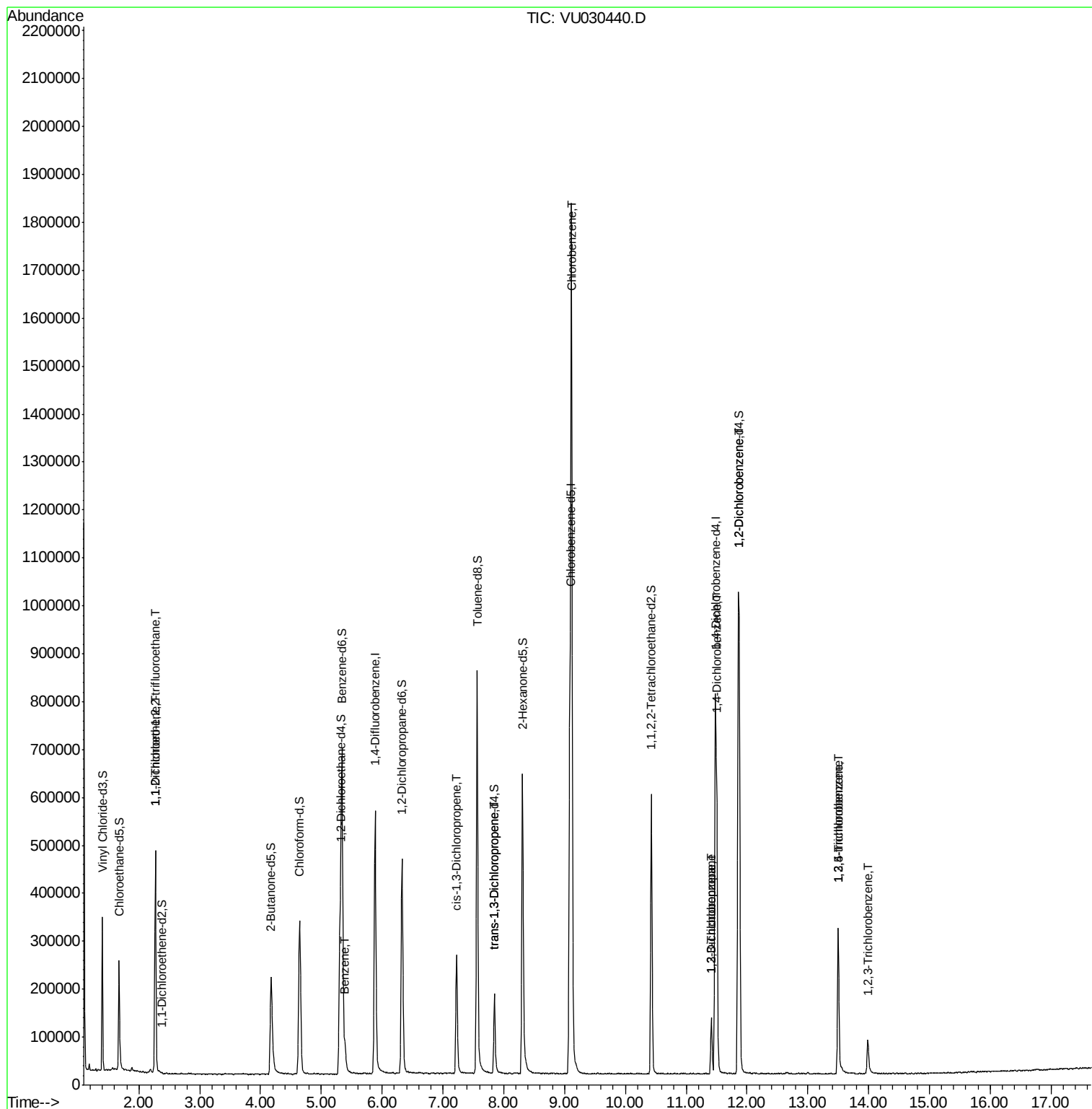
						Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	2327	0.701	ug/L #	21
12) 1,1-Dichloroethene	2.27	96	2131	0.655	ug/L #	1
33) Benzene	5.39	78	58608	3.883	ug/L	100
39) cis-1,3-Dichloropropene	7.22	75	5459	0.887	ug/L #	46
44) trans-1,3-Dichloropropene	7.85	75	3820	0.705	ug/L	88
51) Chlorobenzene	9.12	112	944548	99.496	ug/L	100
59) 1,2,3-Trichloropropane	11.41	75	16205	3.108	ug/L #	44
62) 1,3-Dichlorobenzene	11.41	146	47708	7.946	ug/L	98
63) 1,4-Dichlorobenzene	11.50	146	219167	35.458	ug/L	100
65) 1,2-Dichlorobenzene	11.87	146	283343	46.672	ug/L	100
67) 1,3,5-Trichlorobenzene	13.50	180	99179	22.066	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	99179	25.396	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	27906	6.767	ug/L	91

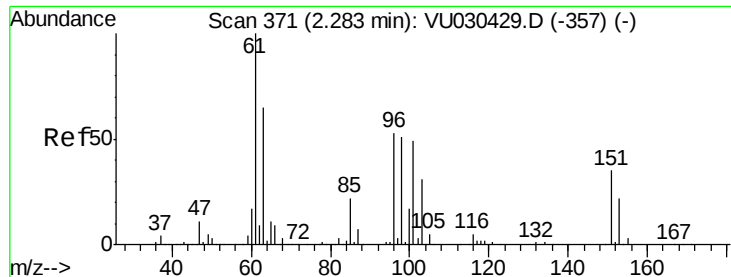
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.701 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.01 min

Lab File: VU030440.D

Acq: 26 Mar 2019 13:34

Instrument :

MSVOA_U

ClientSampleId :

C09E2

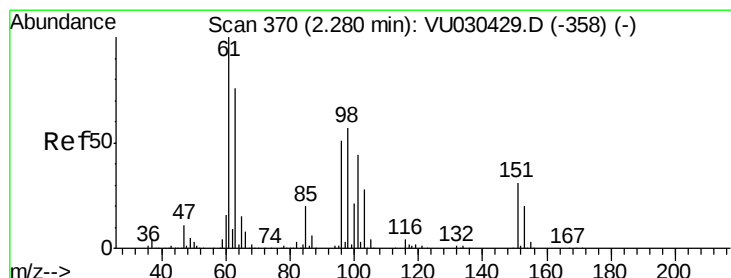
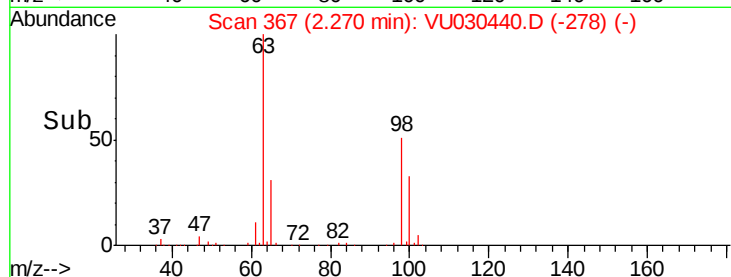
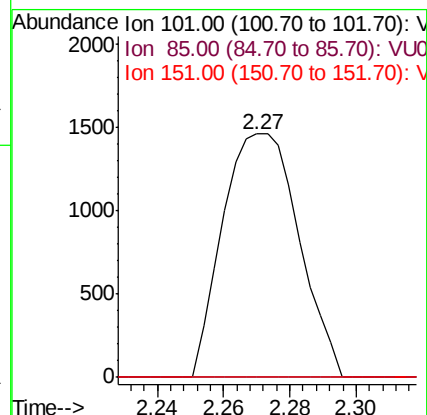
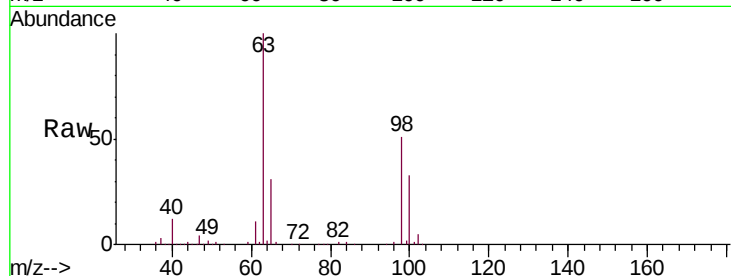
Tgt Ion: 101 Resp: 2327

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: 0.655 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.01 min

Lab File: VU030440.D

Acq: 26 Mar 2019 13:34

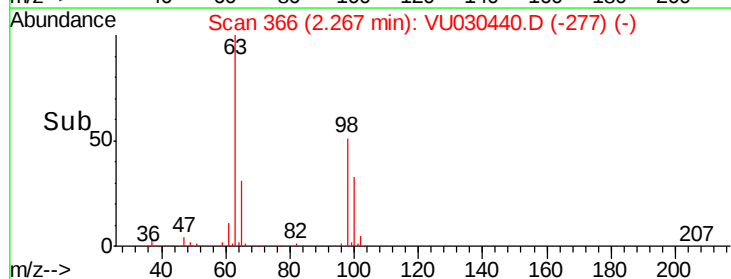
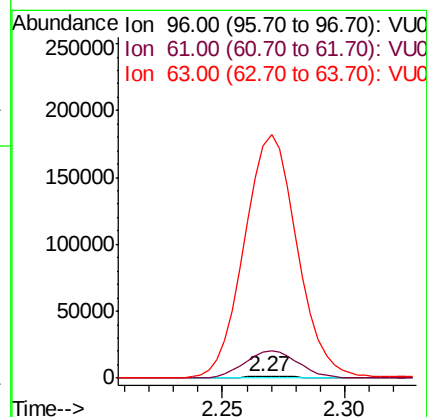
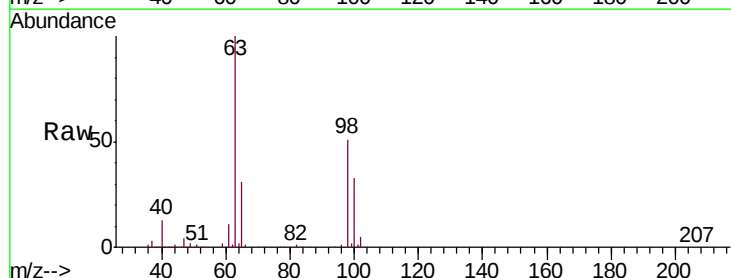
Tgt Ion: 96 Resp: 2131

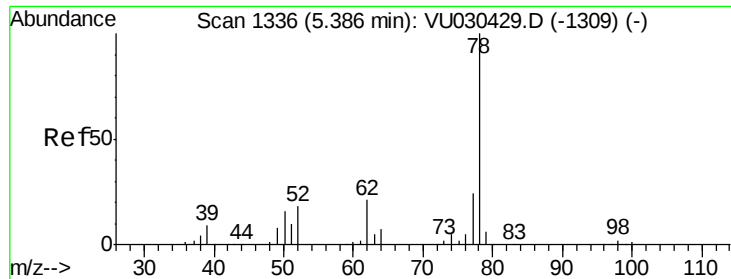
Ion Ratio Lower Upper

96 100

61 1655.7 131.0 243.4#

63 14555.7 92.4 171.6#

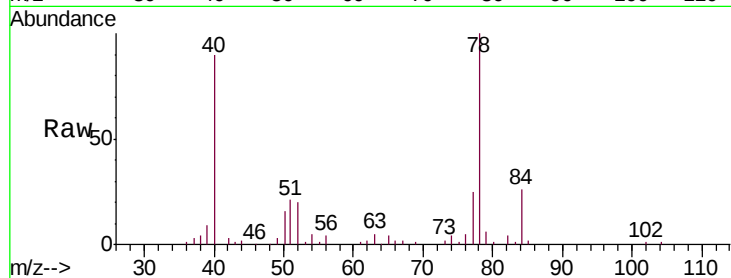




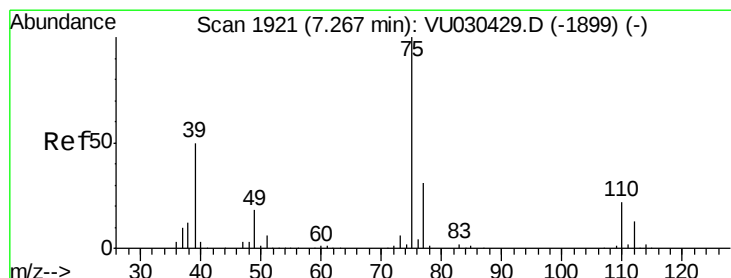
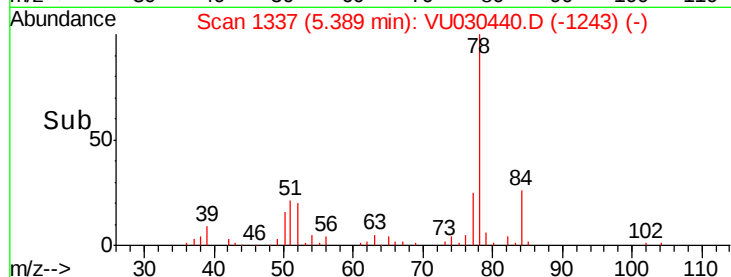
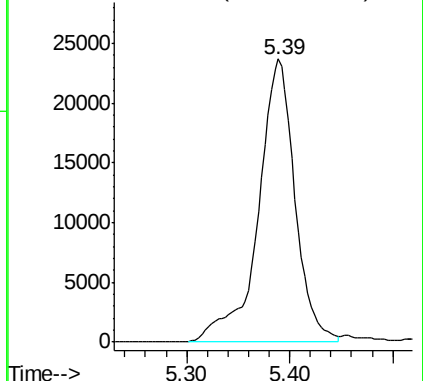
#33
Benzene
Concen: 3.883 ug/L
RT: 5.39 min Scan# 1337
Delta R.T. 0.00 min
Lab File: VU030440.D
Acq: 26 Mar 2019 13:34

Instrument :
MSVOA_U
ClientSampleId :
C09E2

Tgt Ion: 78 Resp: 58608

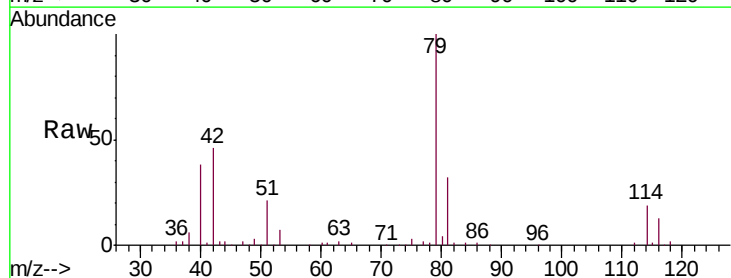


Abundance Ion 78.00 (77.70 to 78.70): VU0

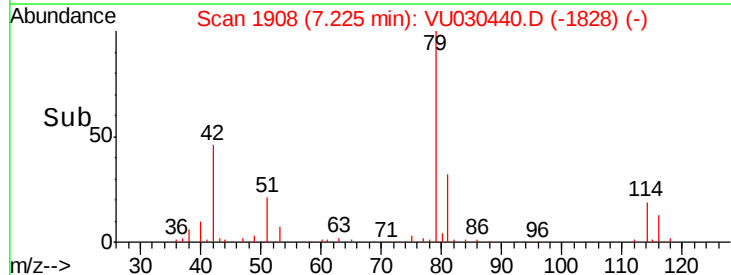
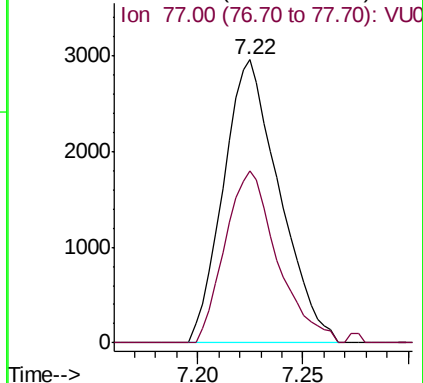


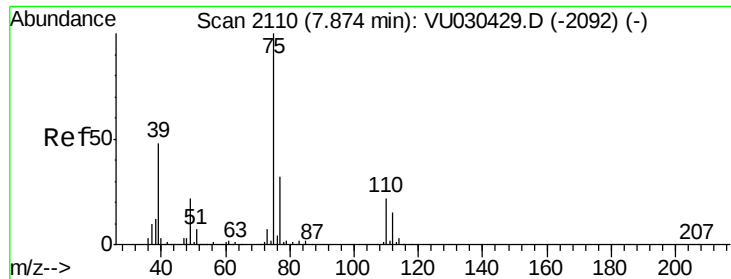
#39
cis-1,3-Dichloropropene
Concen: 0.887 ug/L
RT: 7.22 min Scan# 1908
Delta R.T. -0.04 min
Lab File: VU030440.D
Acq: 26 Mar 2019 13:34

Tgt Ion: 75 Resp: 5459
Ion Ratio Lower Upper
75 100
77 60.8 21.8 40.6#



Abundance Ion 75.00 (74.70 to 75.70): VU0

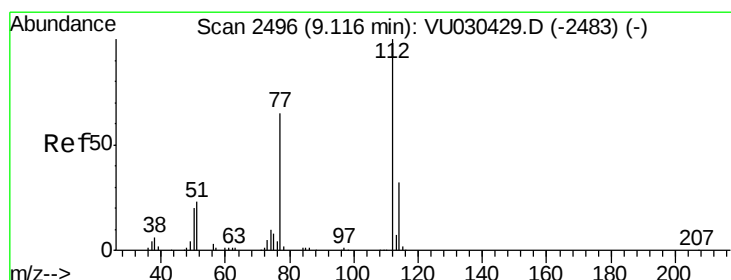
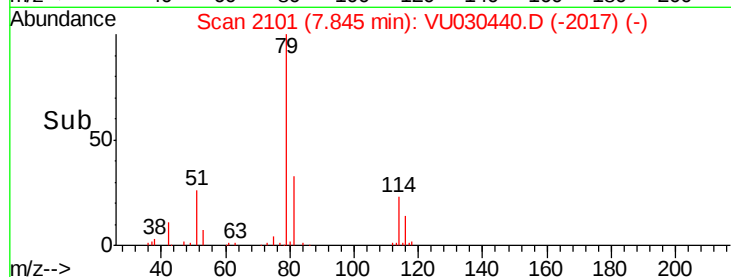
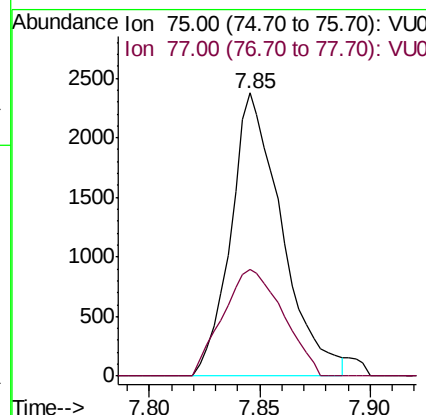
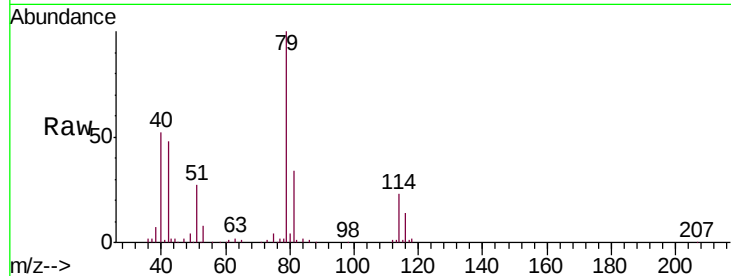




#44
trans-1,3-Dichloropropene
Concen: 0.705 ug/L
RT: 7.85 min Scan# 2101
Delta R.T. -0.03 min
Lab File: VU030440.D
Acq: 26 Mar 2019 13:34

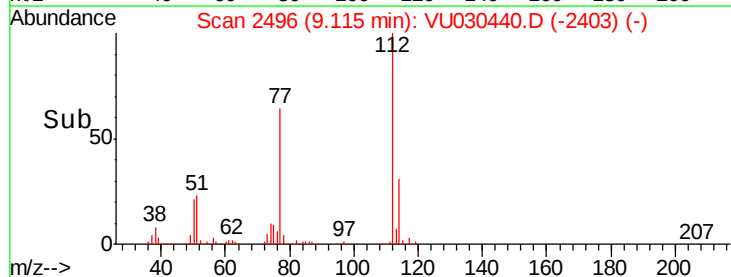
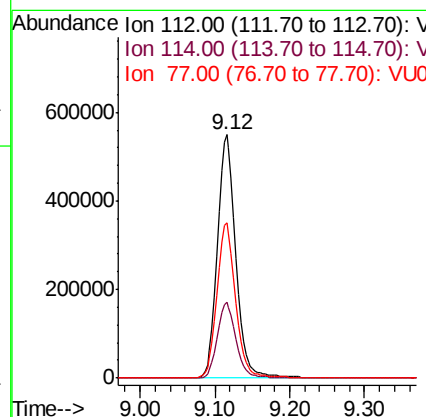
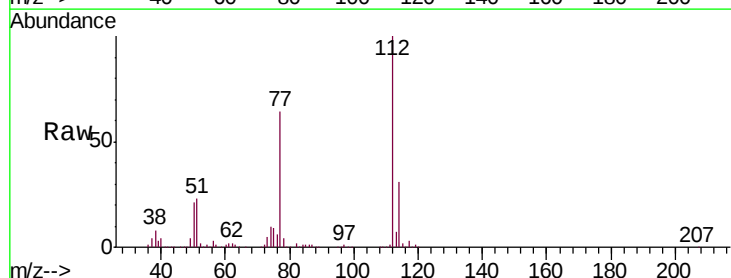
Instrument :
MSVOA_U
ClientSampled :
C09E2

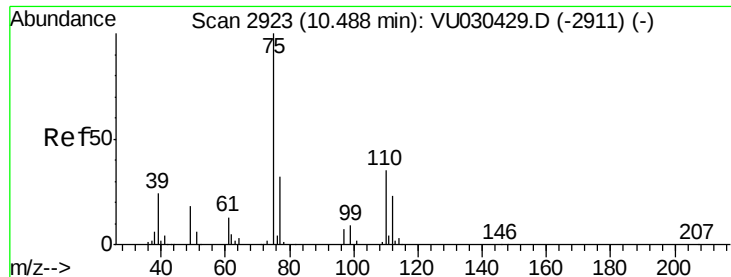
Tgt Ion: 75 Resp: 3820
Ion Ratio Lower Upper
75 100
77 37.9 22.0 40.8



#51
Chlorobenzene
Concen: 99.496 ug/L
RT: 9.12 min Scan# 2496
Delta R.T. -0.00 min
Lab File: VU030440.D
Acq: 26 Mar 2019 13:34

Tgt Ion: 112 Resp: 944548
Ion Ratio Lower Upper
112 100
114 30.9 21.5 39.9
77 63.9 51.4 77.0

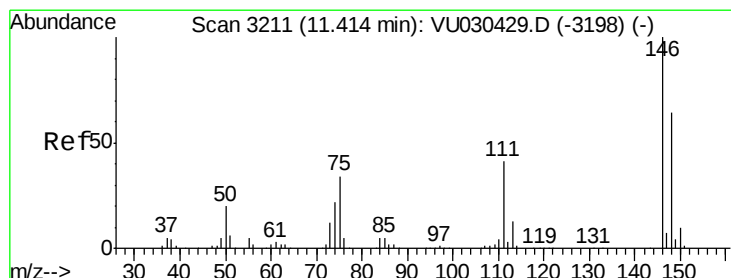
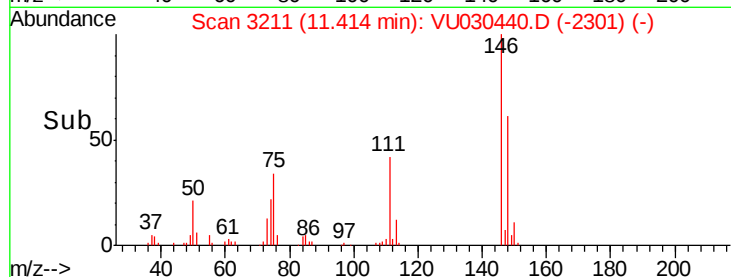
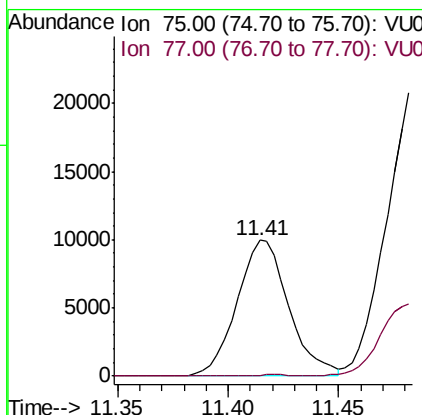
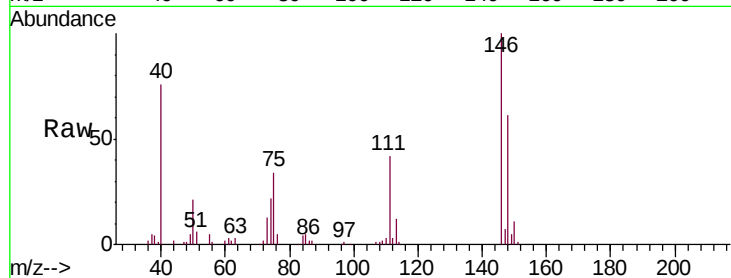




#59
 1,2,3-Trichloropropane
 Concen: 3.108 ug/L
 RT: 11.41 min Scan# 3211
 Delta R.T. 0.93 min
 Lab File: VU030440.D
 Acq: 26 Mar 2019 13:34

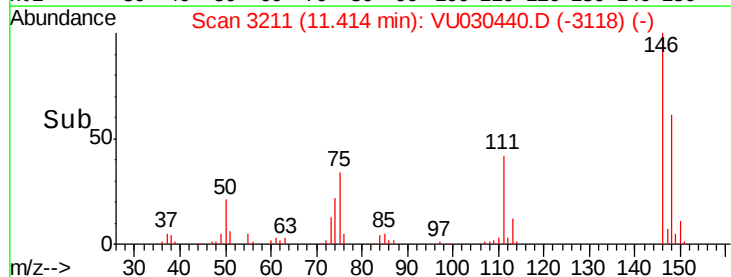
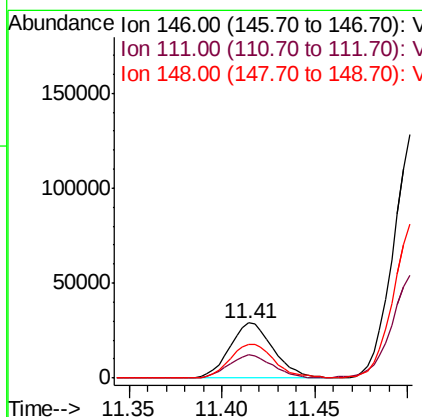
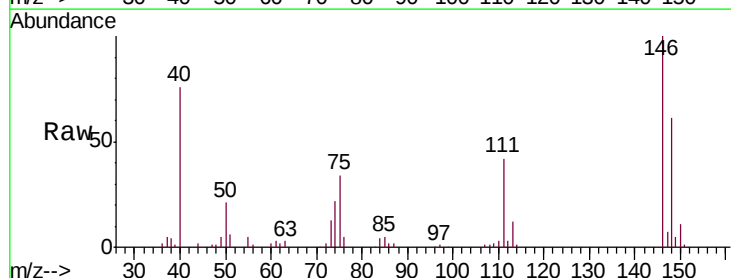
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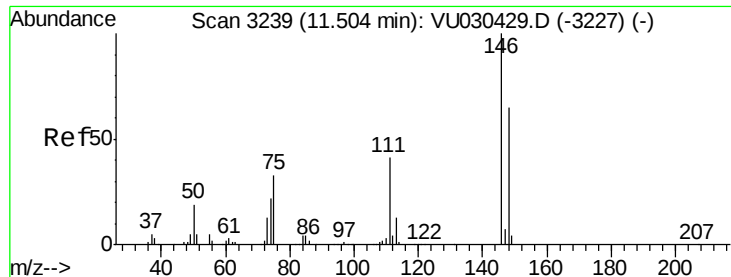
Tgt Ion: 75 Resp: 16205
 Ion Ratio Lower Upper
 75 100
 77 0.4 25.4 38.2#



#62
 1,3-Dichlorobenzene
 Concen: 7.946 ug/L
 RT: 11.41 min Scan# 3211
 Delta R.T. -0.00 min
 Lab File: VU030440.D
 Acq: 26 Mar 2019 13:34

Tgt Ion: 146 Resp: 47708
 Ion Ratio Lower Upper
 146 100
 111 42.3 29.2 54.2
 148 61.3 44.4 82.4

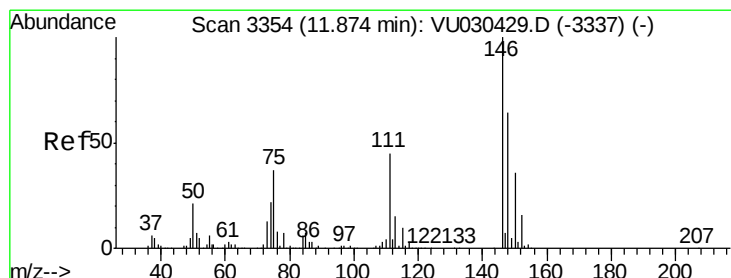
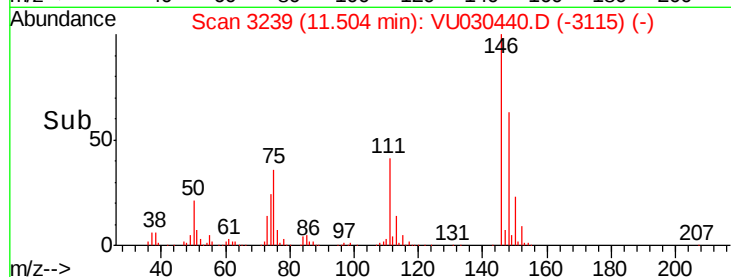
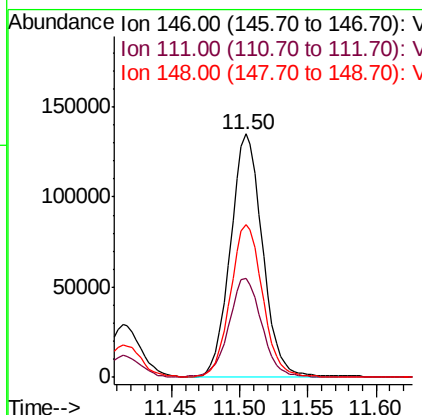
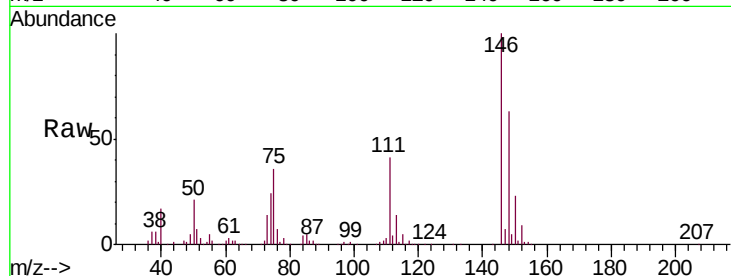




#63
 1,4-Dichlorobenzene
 Concen: 35.458 ug/L
 RT: 11.50 min Scan# 3239
 Delta R.T. -0.00 min
 Lab File: VU030440.D
 Acq: 26 Mar 2019 13:34

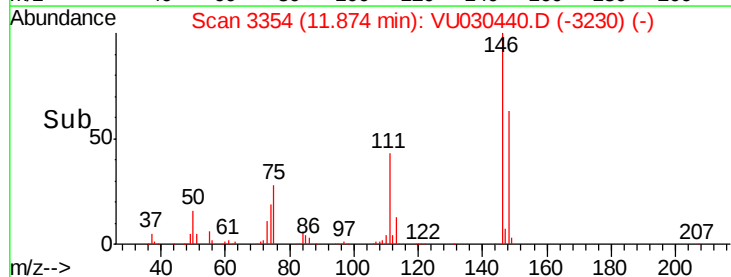
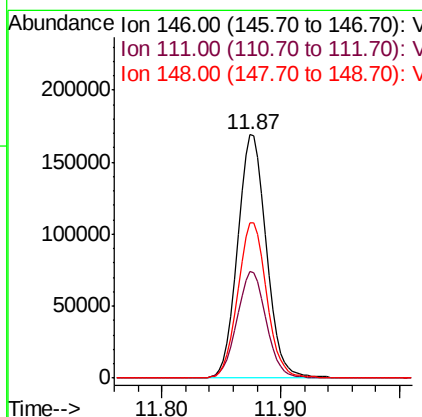
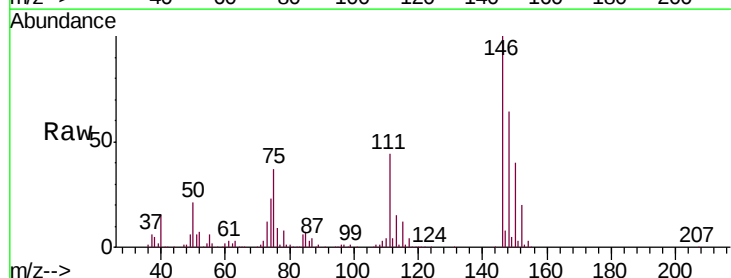
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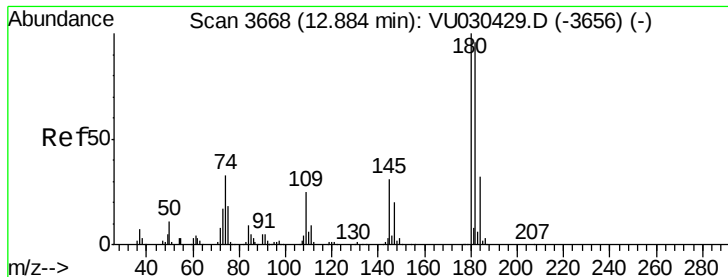
Tgt Ion:146 Resp: 219167
 Ion Ratio Lower Upper
 146 100
 111 40.7 28.7 53.3
 148 62.9 44.3 82.3



#65
 1,2-Dichlorobenzene
 Concen: 46.672 ug/L
 RT: 11.87 min Scan# 3354
 Delta R.T. -0.00 min
 Lab File: VU030440.D
 Acq: 26 Mar 2019 13:34

Tgt Ion:146 Resp: 283343
 Ion Ratio Lower Upper
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 111 43.7 34.9 52.3
 148 63.6 51.2 76.8

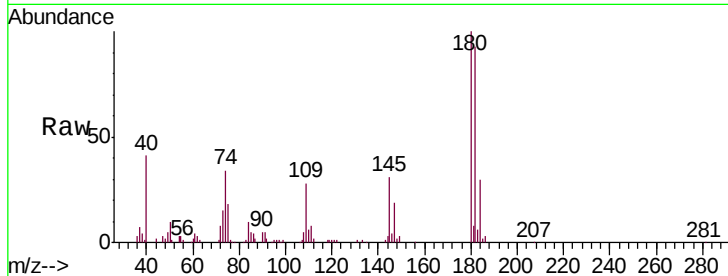




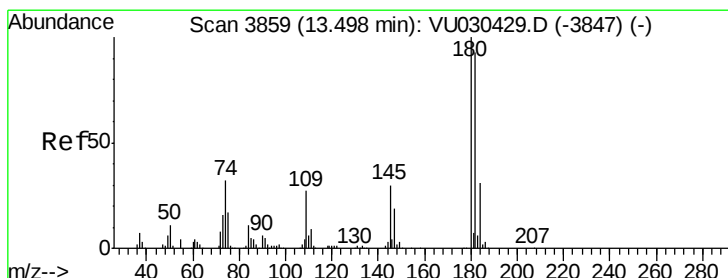
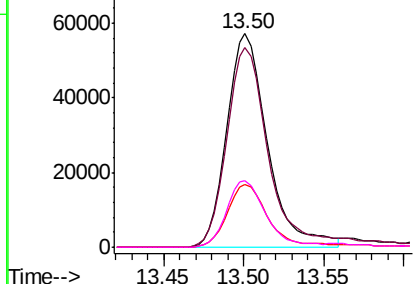
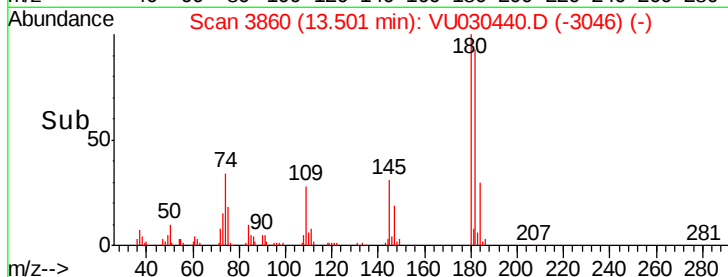
#67
 1,3,5-Trichlorobenzene
 Concen: 22.066 ug/L
 RT: 13.50 min Scan# 3860
 Delta R.T. 0.62 min
 Lab File: VU030440.D
 Acq: 26 Mar 2019 13:34

Instrument :
 MSVOA_U
 ClientSampleId :
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Tgt Ion:180 Resp: 99179
 Ion Ratio Lower Upper
 180 100
 182 94.6 75.9 113.9
 184 29.5 24.1 36.1
 145 30.3 23.8 35.8

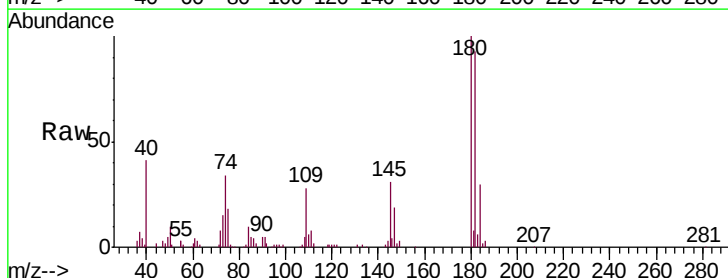


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

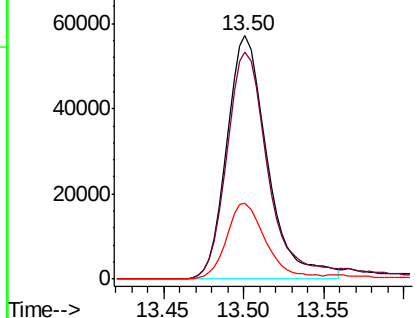
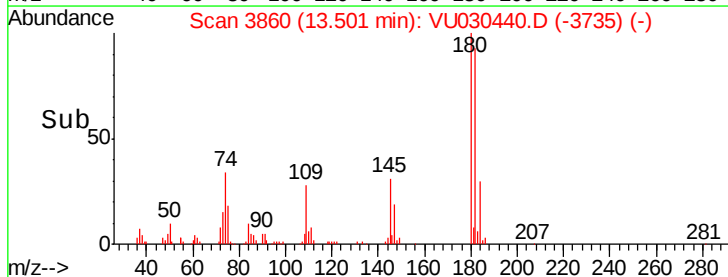


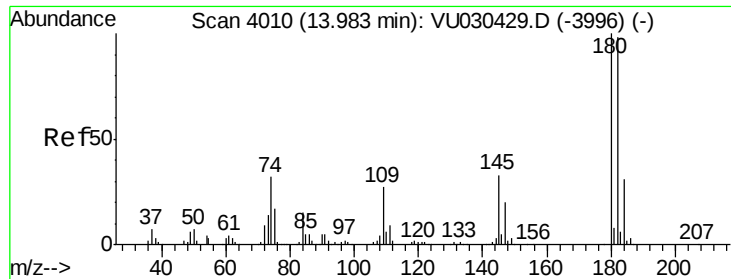
#68
 1,2,4-trichlorobenzene
 Concen: 25.396 ug/L
 RT: 13.50 min Scan# 3860
 Delta R.T. 0.00 min
 Lab File: VU030440.D
 Acq: 26 Mar 2019 13:34

Tgt Ion:180 Resp: 99179
 Ion Ratio Lower Upper
 180 100
 182 94.6 76.1 114.1
 145 30.3 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

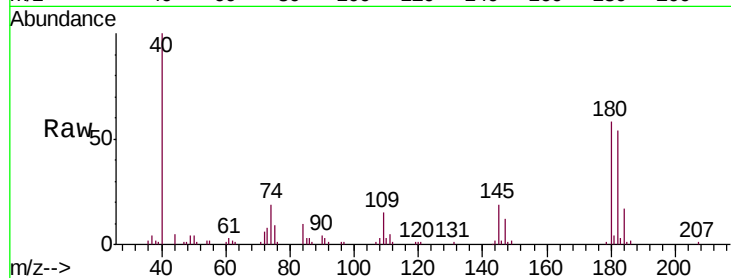




#70
 1,2,3-Trichlorobenzene
 Concen: 6.767 ug/L
 RT: 13.99 min Scan# 4011
 Delta R.T. 0.00 min
 Lab File: VU030440.D
 Acq: 26 Mar 2019 13:34

Instrument :
 MSVOA_U
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 C09E2

Tgt Ion	Resp	Lower	Upper
180	27906		
182	86.9	77.4	116.2
145	29.7	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

