

Data File : VU030235.D
Acq On : 20 Mar 2019 20:09
Operator : JC/SP
Sample : K1967-17
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0966

Quant Time: Mar 22 01:32:11 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM031919WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Mar 22 01:27:23 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	552827	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	549300	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	307802	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	155928	41.71	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	83.42%
7) Chloroethane-d5	1.68	69	132392	44.29	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	88.58%
11) 1,1-Dichloroethene-d2	2.27	63	219939	32.25	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	64.50%
21) 2-Butanone-d5	4.17	46	261620	94.34	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	94.34%
24) Chloroform-d	4.65	84	350492	51.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.18%
26) 1,2-Dichloroethane-d4	5.31	65	182510	46.64	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.28%
32) Benzene-d6	5.34	84	666481	46.04	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.08%
36) 1,2-Dichloropropane-d6	6.33	67	209252	46.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.44%
41) Toluene-d8	7.56	98	594507	43.68	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.36%
43) trans-1,3-Dichloropropene-	7.85	79	96008	44.02	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.04%
47) 2-Hexanone-d5	8.31	63	218955	94.27	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	94.27%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	316430	46.06	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.12%
64) 1,2-Dichlorobenzene-d4	11.87	152	291437	47.16	ug/L	0.01
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.32%

Target Compounds

					Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	2493	0.671 ug/L #	18
12) 1,1-Dichloroethene	2.28	96	6954	1.885 ug/L #	1
13) Acetone	2.32	43	15648	5.400 ug/L	100
25) Chloroform	4.67	83	1088596	156.296 ug/L	98
27) 1,2-Dichloroethane	5.40	62	336004	68.062 ug/L #	72
29) Cyclohexane	4.99	56	3755	0.629 ug/L #	89
31) Carbon tetrachloride	5.13	117	56135	10.711 ug/L	99
34) Trichloroethene	6.19	95	4366	1.045 ug/L	97
38) Bromodichloromethane	6.76	83	8330	1.596 ug/L	93
42) Toluene	7.64	91	6045	0.350 ug/L	96
44) trans-1,3-Dichloropropene	7.85	75	3721	0.660 ug/L	93
46) Tetrachloroethene	8.23	164	2440	0.691 ug/L	93
48) 2-Hexanone	8.37	43	5228	1.129 ug/L #	66
61) Bromoform	9.96	173	2720	0.684 ug/L #	93
62) 1,3-Dichlorobenzene	11.42	146	7713046	785.417 ug/L	99
63) 1,4-Dichlorobenzene	11.42	146	7713046	757.196 ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.63	75	18192	10.845 ug/L #	1

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032019\
Quantitation Report (Not Reviewed)

Data File : VU030235.D
Acq On : 20 Mar 2019 20:09
Operator : JC/SP
Sample : K1967-17
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0966

Quant Time: Mar 22 01:32:11 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM031919WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Mar 22 01:27:23 2019
Response via : Initial Calibration

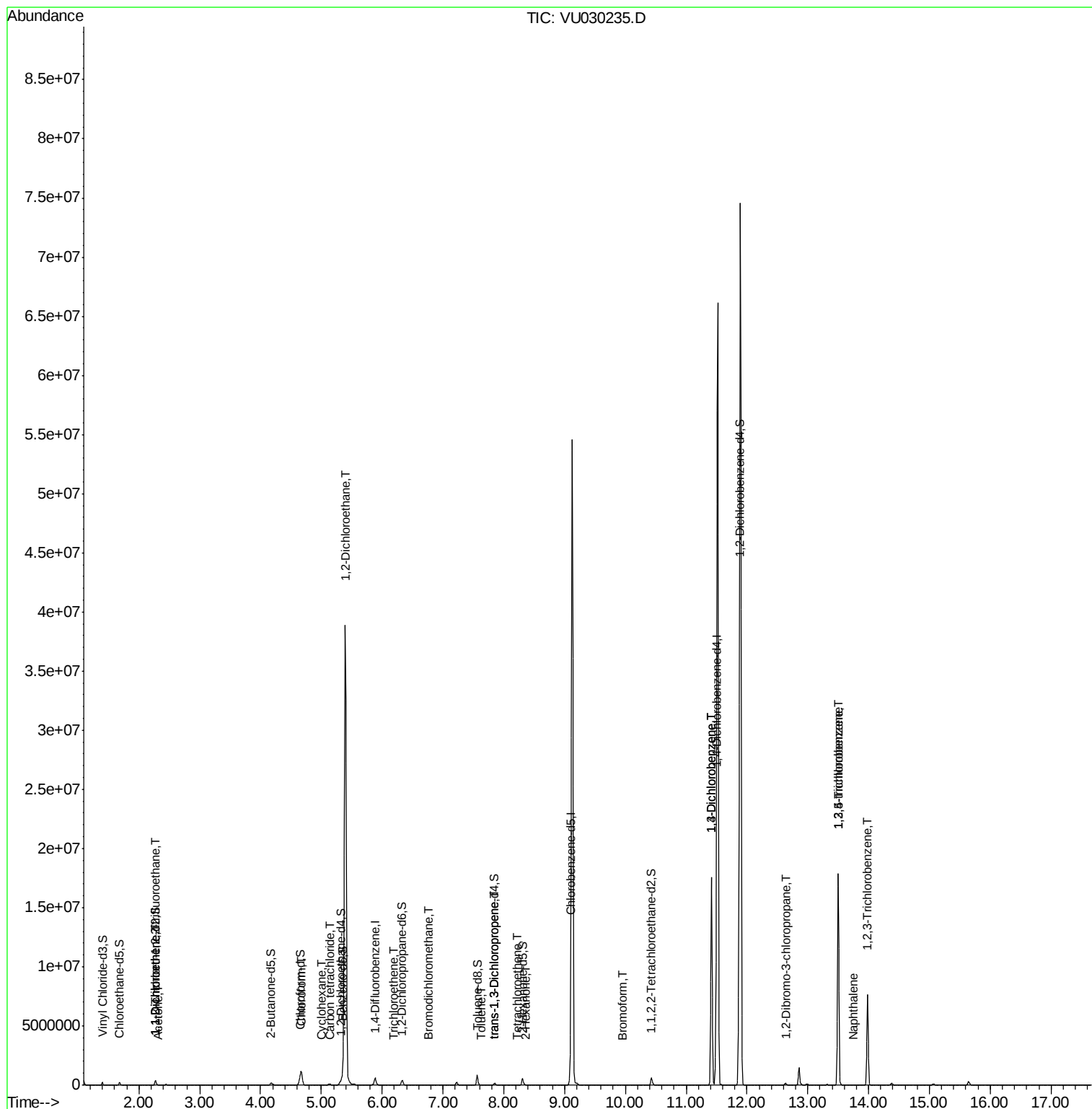
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
67) 1,3,5-Trichlorobenzene	13.50	180	5867901	764.556	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	5867901	864.570	ug/L	100
69) Naphthalene	13.74	128	7501	0.348	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	2514063	355.002	ug/L	98

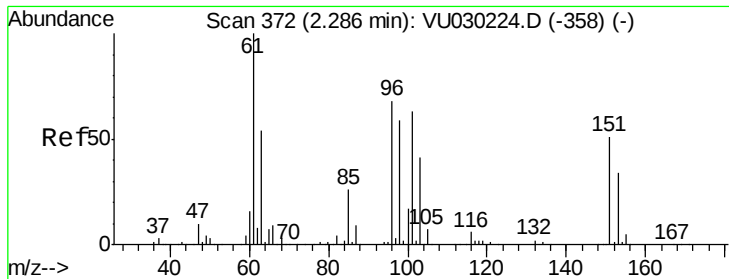
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VU030235.D
Acq On : 20 Mar 2019 20:09
Operator : JC/SP
Sample : K1967-17
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0966

Quant Time: Mar 22 01:32:11 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM031919WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Mar 22 01:27:23 2019
Response via : Initial Calibration





#10

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

Concen: 0.671 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.02 min

Lab File: VU030235.D

Acq: 20 Mar 2019 20:09

Instrument :

MSVOA_U

ClientSampleId :

C0966

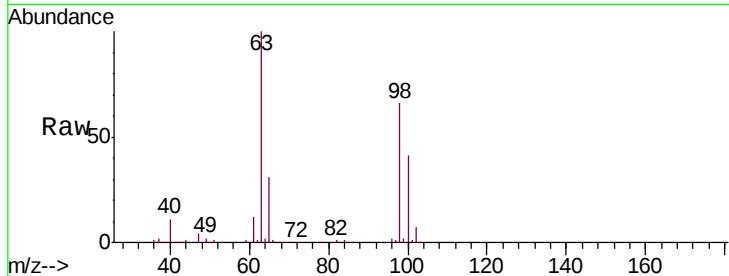
Tgt Ion: 101 Resp: 2493

Ion Ratio Lower Upper

101 100

85 0.0 32.5 48.7#

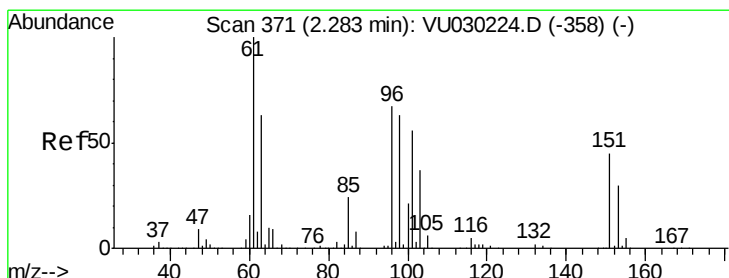
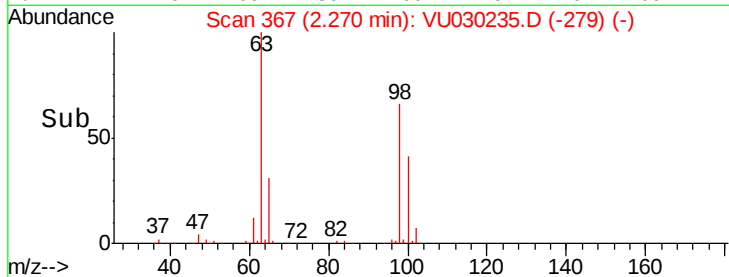
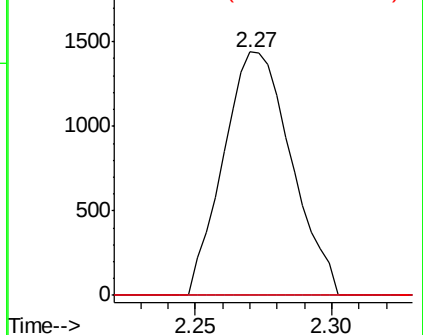
151 0.0 64.7 97.1#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 1.885 ug/L

RT: 2.28 min Scan# 371

Delta R.T. -0.00 min

Lab File: VU030235.D

Acq: 20 Mar 2019 20:09

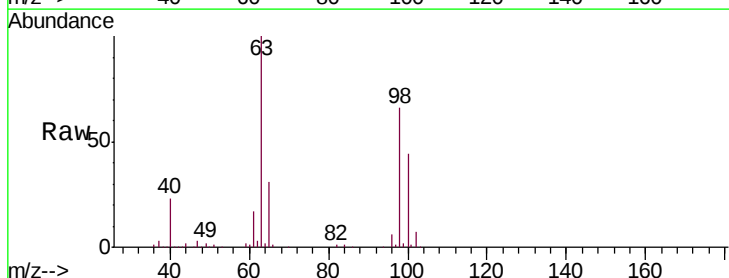
Tgt Ion: 96 Resp: 6954

Ion Ratio Lower Upper

96 100

61 272.0 104.6 194.2#

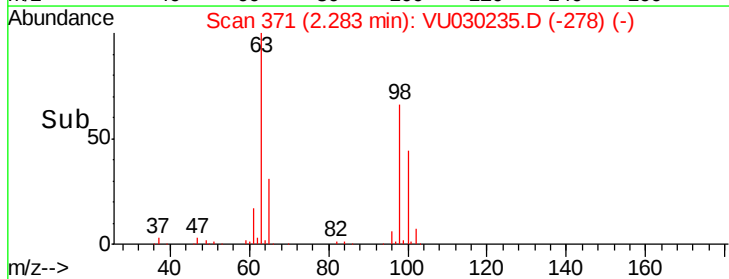
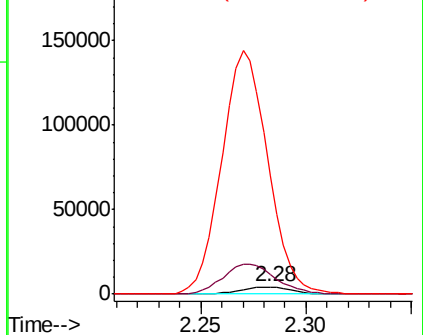
63 1625.0 77.2 143.4#

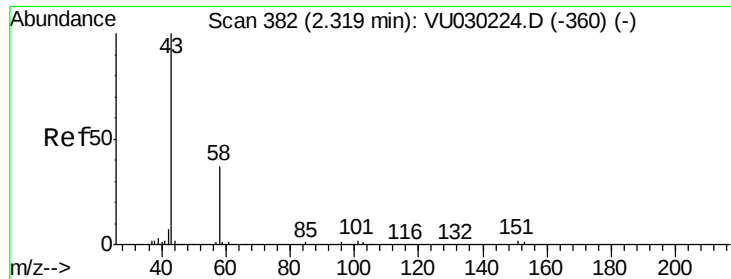


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 5.400 ug/L

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

Lab File: VU030235.D

Acq: 20 Mar 2019 20:09

Instrument :

MSVOA_U

ClientSampleId :

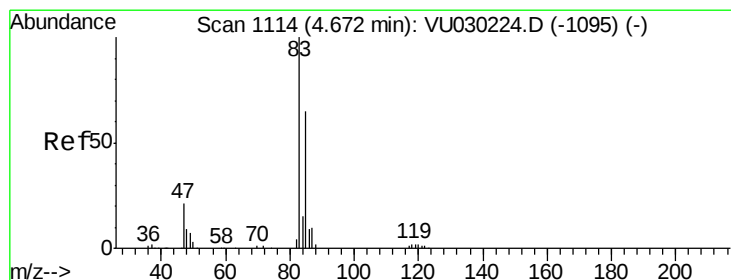
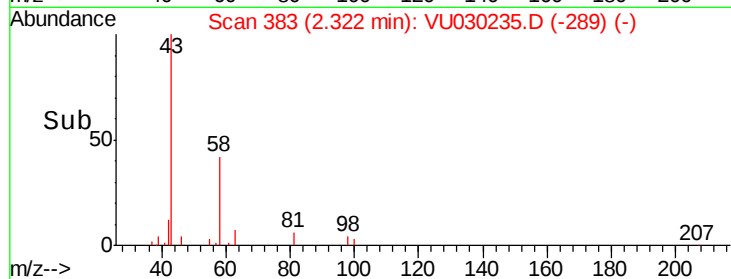
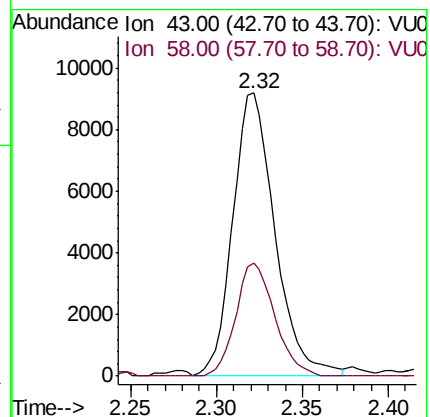
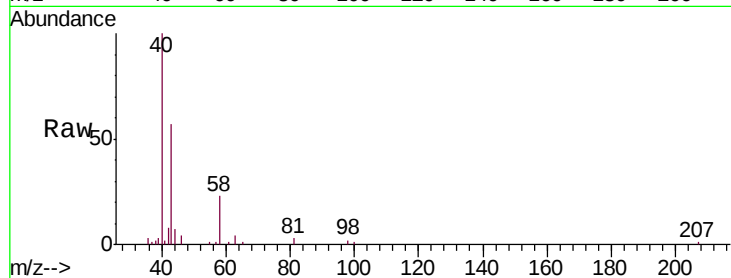
C0966

Tgt Ion: 43 Resp: 15648

Ion Ratio Lower Upper

43 100

58 36.8 0.0 73.4



#25

Chloroform

Concen: 156.296 ug/L

RT: 4.67 min Scan# 1113

Delta R.T. -0.00 min

Lab File: VU030235.D

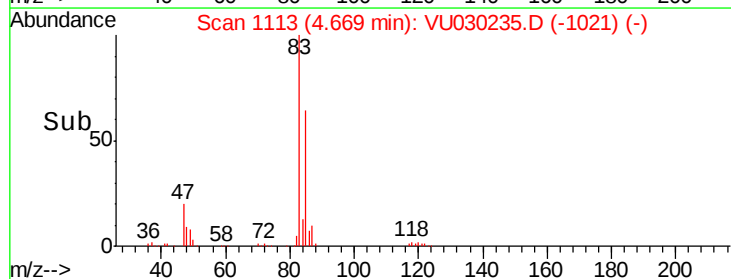
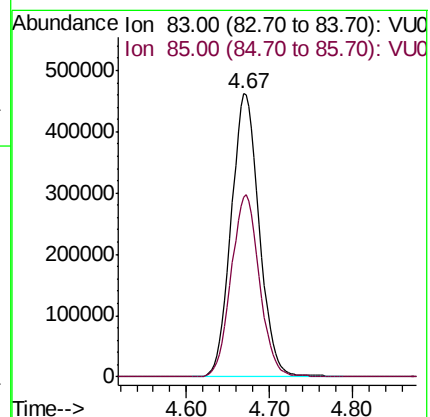
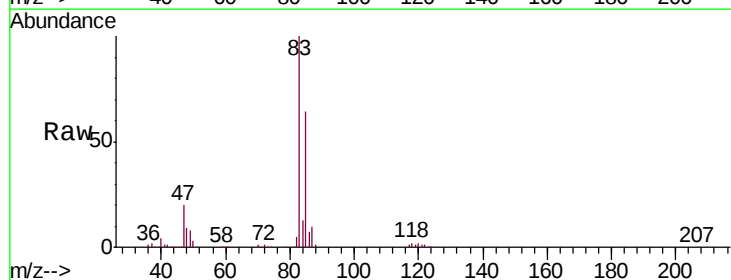
Acq: 20 Mar 2019 20:09

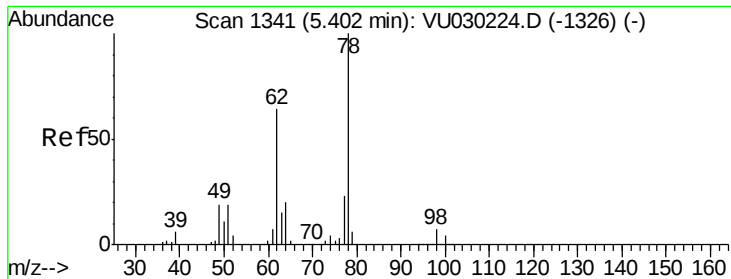
Tgt Ion: 83 Resp: 1088596

Ion Ratio Lower Upper

83 100

85 63.7 45.8 85.2





#27

1,2-Dichloroethane

Concen: 68.062 ug/L

RT: 5.40 min Scan# 1339

Delta R.T. -0.01 min

Lab File: VU030235.D

Acq: 20 Mar 2019 20:09

Instrument :

MSVOA_U

ClientSampleId :

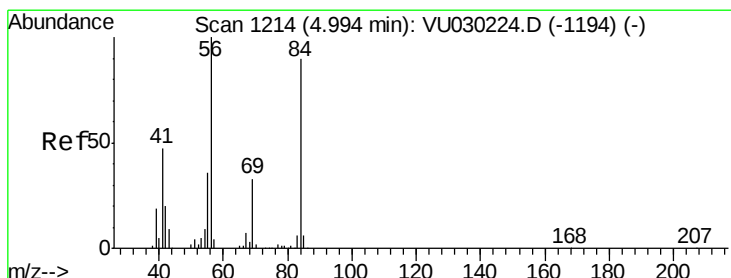
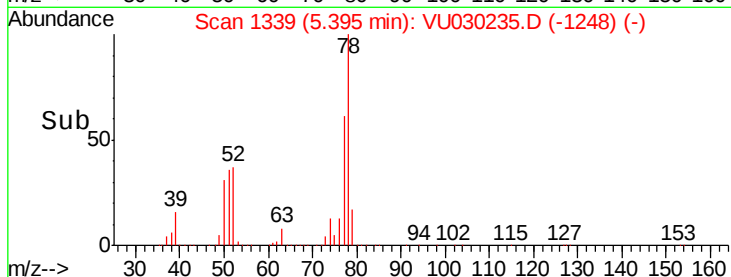
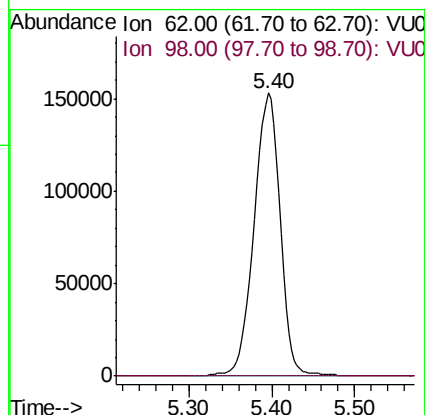
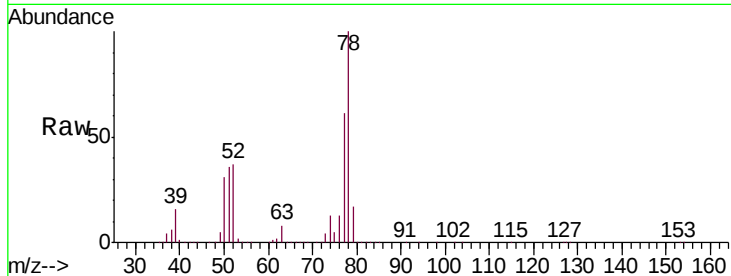
C0966

Tgt Ion: 62 Resp: 336004

Ion Ratio Lower Upper

62 100

98 0.1 8.6 12.8#



#29

Cyclohexane

Concen: 0.629 ug/L

RT: 4.99 min Scan# 1213

Delta R.T. -0.00 min

Lab File: VU030235.D

Acq: 20 Mar 2019 20:09

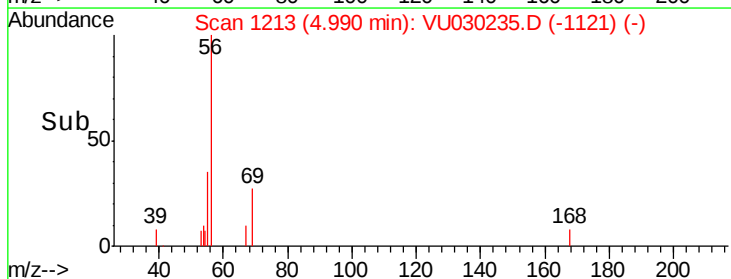
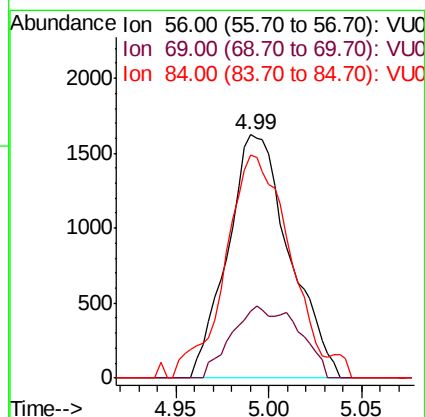
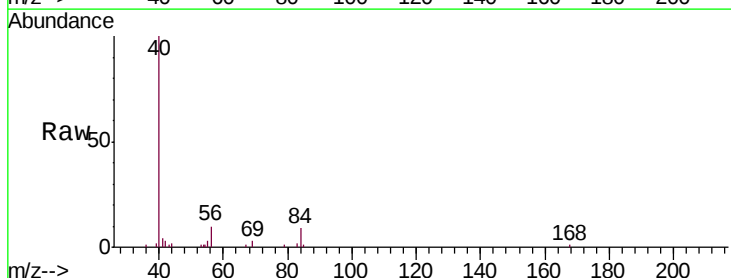
Tgt Ion: 56 Resp: 3755

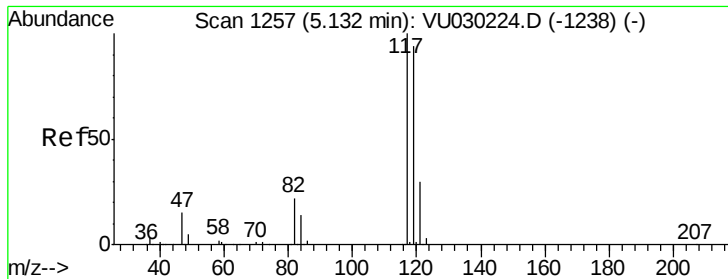
Ion Ratio Lower Upper

56 100

69 17.8 25.4 38.2#

84 95.2 71.5 107.3



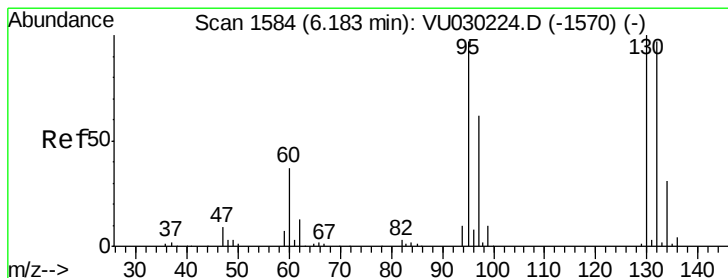
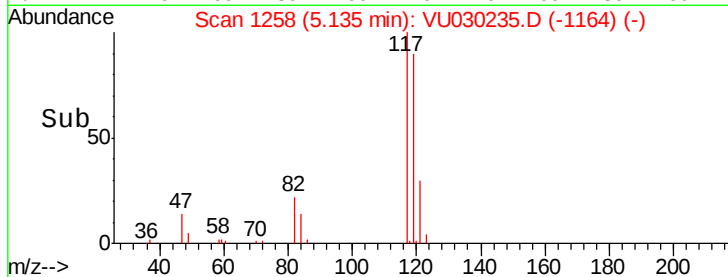
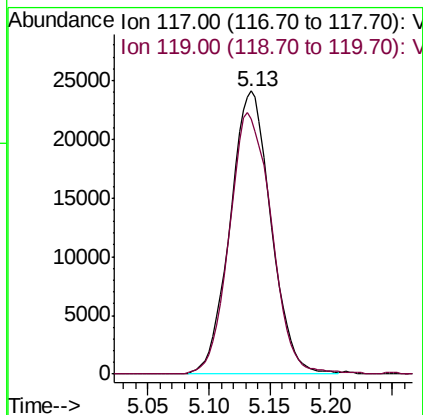
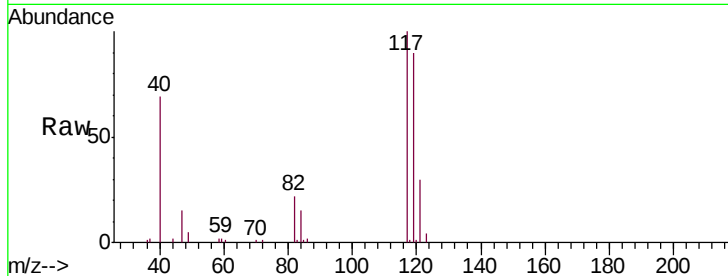


#31

Carbon tetrachloride
 Concen: 10.711 ug/L
 RT: 5.13 min Scan# 1258
 Delta R.T. 0.00 min
 Lab File: VU030235.D
 Acq: 20 Mar 2019 20:09

Instrument :
 MSVOA_U
 ClientSampled :
 C0966

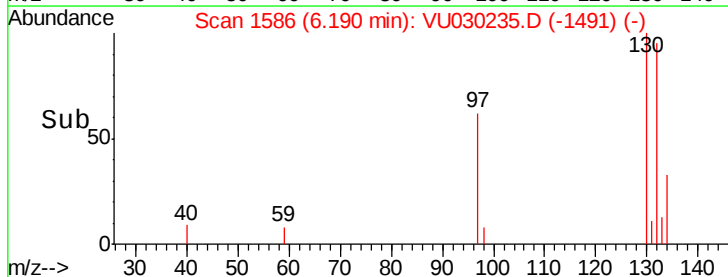
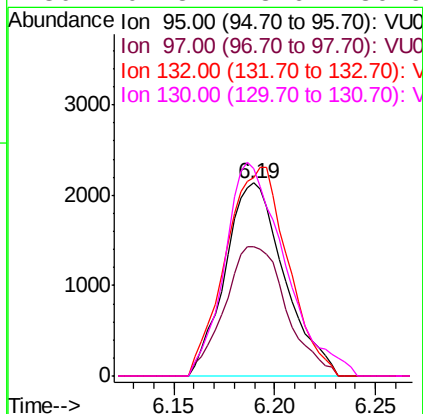
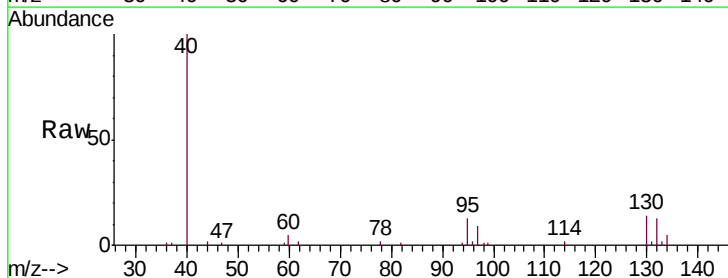
Tgt Ion:117 Resp: 56135
 Ion Ratio Lower Upper
 117 100
 119 95.2 77.1 115.7

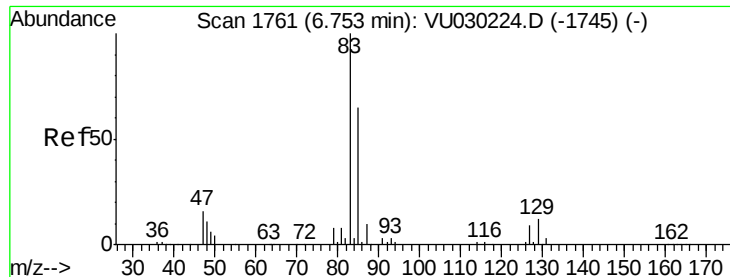


#34

Trichloroethene
 Concen: 1.045 ug/L
 RT: 6.19 min Scan# 1586
 Delta R.T. 0.01 min
 Lab File: VU030235.D
 Acq: 20 Mar 2019 20:09

Tgt Ion: 95 Resp: 4366
 Ion Ratio Lower Upper
 95 100
 97 67.1 46.2 85.8
 132 103.0 69.3 128.7
 130 107.8 73.6 136.6





#38

Bromodichloromethane

Concen: 1.596 ug/L

RT: 6.76 min Scan# 1763

Delta R.T. 0.01 min

Lab File: VU030235.D

Acq: 20 Mar 2019 20:09

Instrument :

MSVOA_U

ClientSampled :

C0966

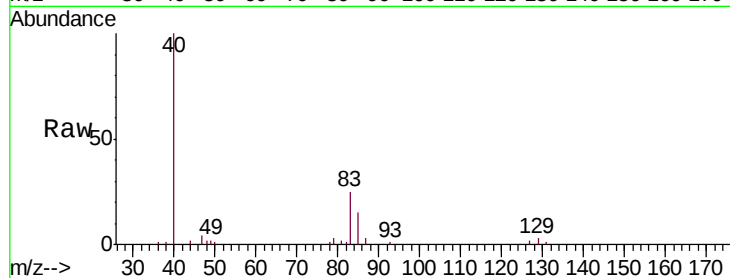
Tgt Ion: 83 Resp: 8330

Ion Ratio Lower Upper

83 100

85 59.4 45.8 85.2

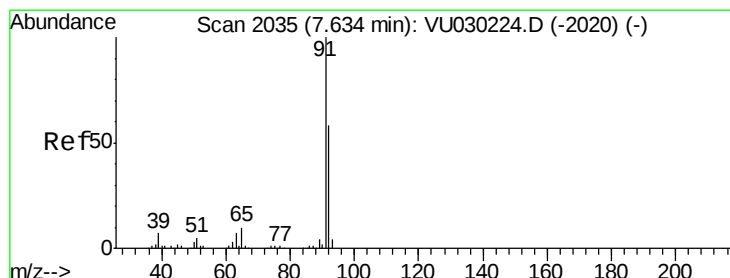
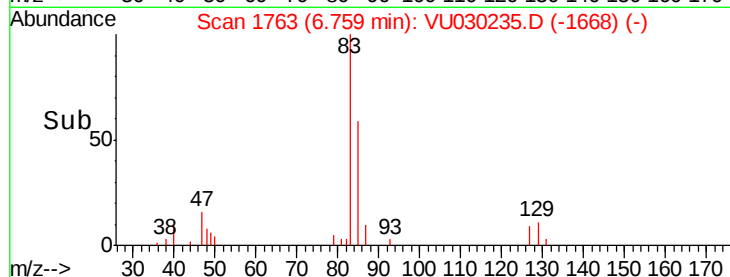
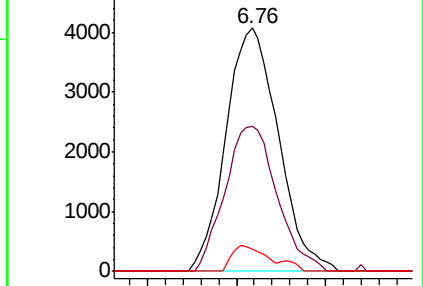
127 9.3 7.4 11.0



Abundance Ion 83.00 (82.70 to 83.70): VU030224.D (-1745) (-)

Ion 85.00 (84.70 to 85.70): VU030224.D (-1745) (-)

Ion 127.00 (126.70 to 127.70): VU030224.D (-1745) (-)



#42

Toluene

Concen: 0.350 ug/L

RT: 7.64 min Scan# 2037

Delta R.T. 0.01 min

Lab File: VU030235.D

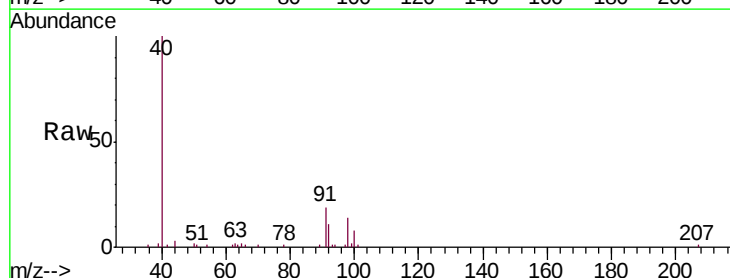
Acq: 20 Mar 2019 20:09

Tgt Ion: 91 Resp: 6045

Ion Ratio Lower Upper

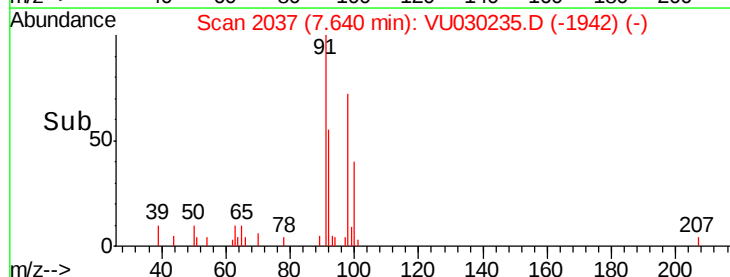
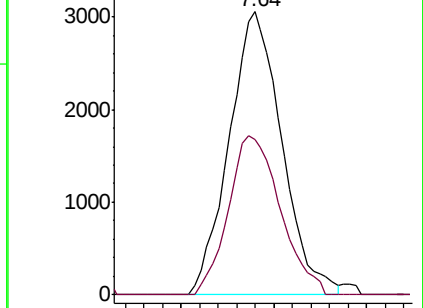
91 100

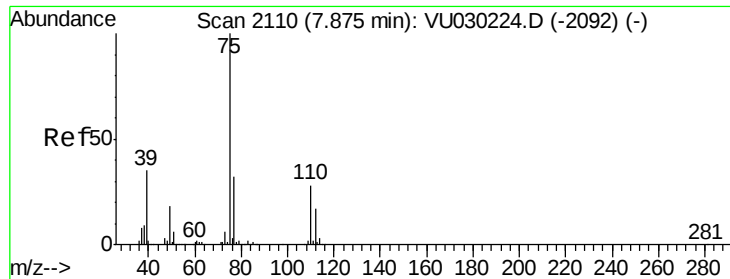
92 54.9 40.7 75.7



Abundance Ion 91.00 (90.70 to 91.70): VU030224.D (-2020) (-)

Ion 92.00 (91.70 to 92.70): VU030224.D (-2020) (-)





#44

trans-1,3-Dichloropropene

Concen: 0.660 ug/L

RT: 7.85 min Scan# 2103

Delta R.T. -0.02 min

Lab File: VU030235.D

Acq: 20 Mar 2019 20:09

Instrument :

MSVOA_U

ClientSampleId :

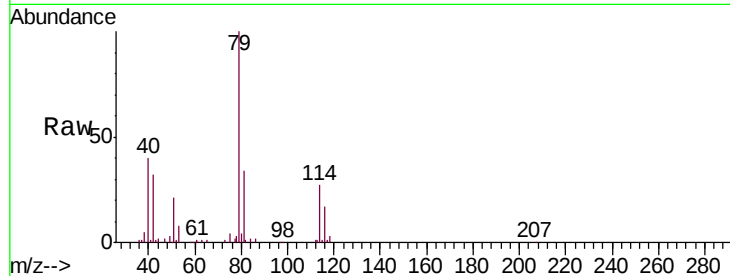
C0966

Tgt Ion: 75 Resp: 3721

Ion Ratio Lower Upper

75 100

77 36.4 22.7 42.1



Abundance Ion 75.00 (74.70 to 75.70): VU030224.D (-2092) (-)

Ion 77.00 (76.70 to 77.70): VU030224.D (-2092) (-)

7.85

2000

1500

1000

500

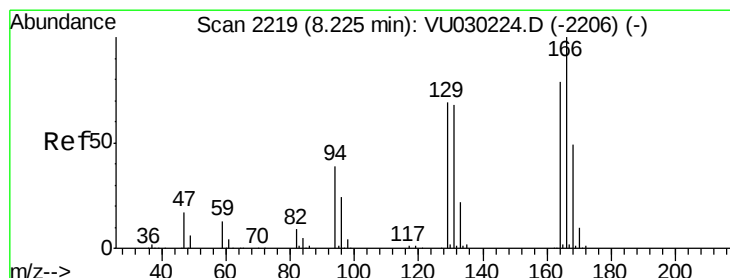
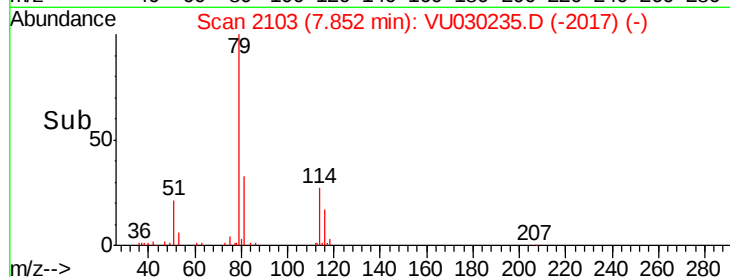
0

7.80

7.85

7.90

Time-->



#46

Tetrachloroethene

Concen: 0.691 ug/L

RT: 8.23 min Scan# 2220

Delta R.T. 0.00 min

Lab File: VU030235.D

Acq: 20 Mar 2019 20:09

Tgt Ion: 164 Resp: 2440

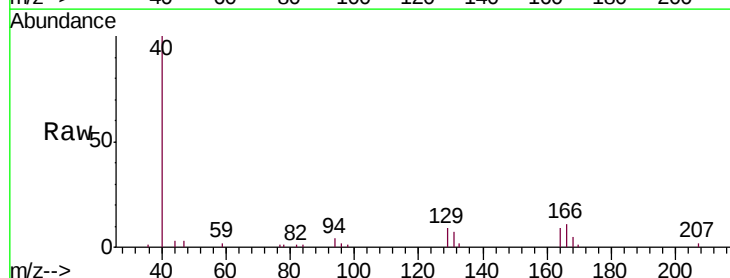
Ion Ratio Lower Upper

164 100

129 105.2 64.4 119.6

131 82.3 63.2 117.4

166 128.3 89.5 166.1



Abundance Ion 164.00 (163.70 to 164.70): VU030224.D (-2206) (-)

Ion 129.00 (128.70 to 129.70): VU030224.D (-2206) (-)

Ion 131.00 (130.70 to 131.70): VU030224.D (-2206) (-)

Ion 166.00 (165.70 to 166.70): VU030224.D (-2206) (-)

8.23

2500

2000

1500

1000

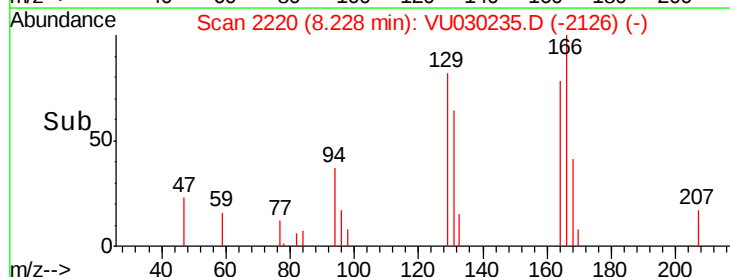
500

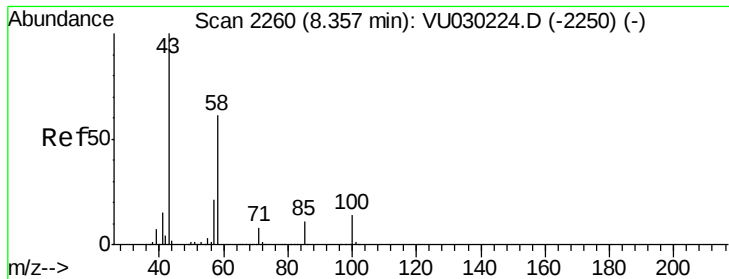
0

8.20

8.25

Time-->

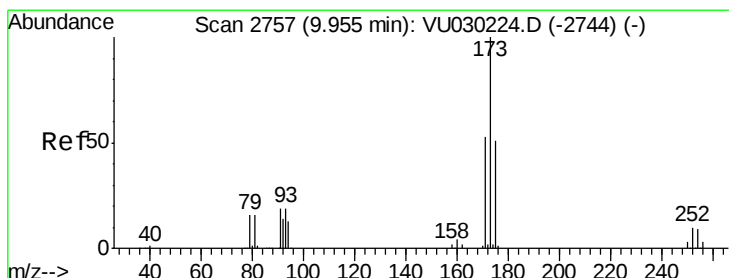
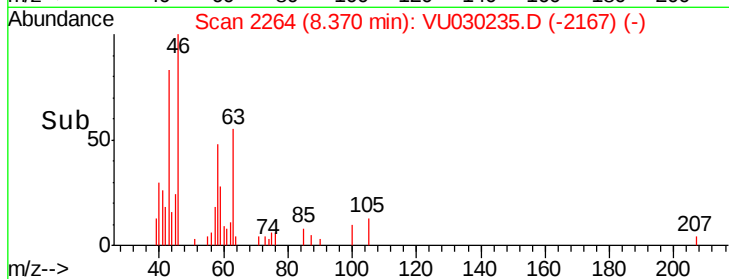
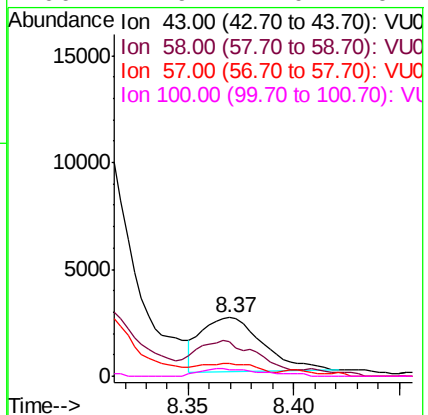
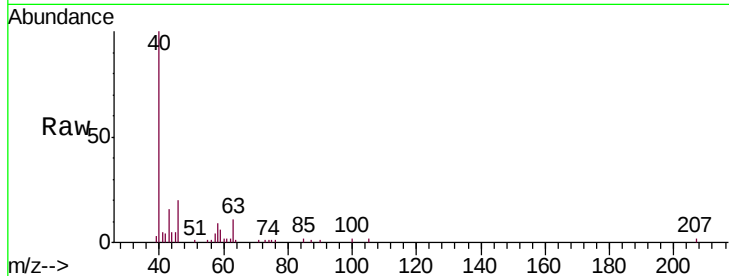




#48
2-Hexanone
Concen: 1.129 ug/L
RT: 8.37 min Scan# 2264
Delta R.T. 0.01 min
Lab File: VU030235.D
Acq: 20 Mar 2019 20:09

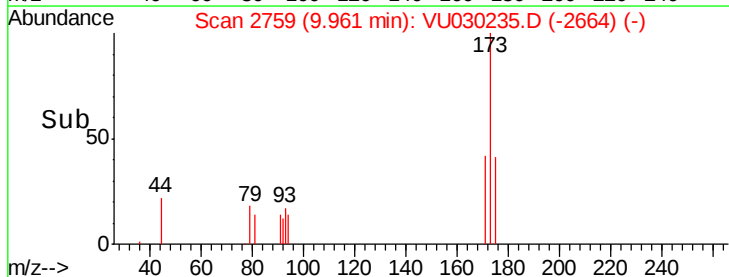
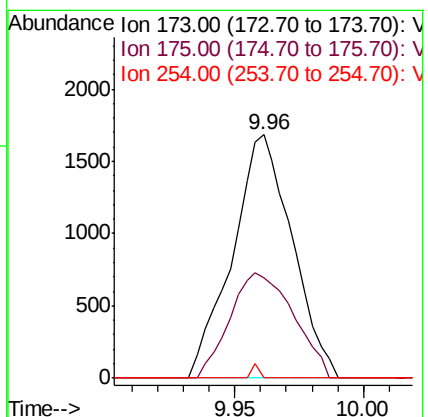
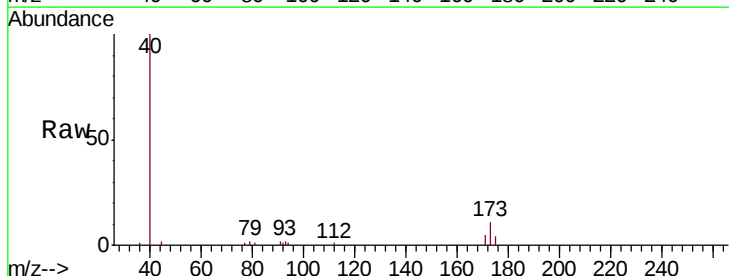
Instrument :
MSVOA_U
ClientSampleId :
C0966

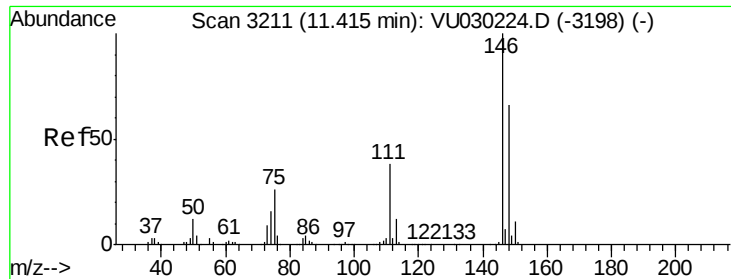
Tgt Ion:	43	Resp:	5228
Ion	Ratio	Lower	Upper
43	100		
58	22.1	49.3	73.9#
57	22.2	17.0	25.4
100	11.9	11.0	16.4



#61
Bromoform
Concen: 0.684 ug/L
RT: 9.96 min Scan# 2759
Delta R.T. 0.01 min
Lab File: VU030235.D
Acq: 20 Mar 2019 20:09

Tgt Ion:	173	Resp:	2720
Ion	Ratio	Lower	Upper
173	100		
175	46.0	38.9	58.3
254	0.0	7.4	11.0#

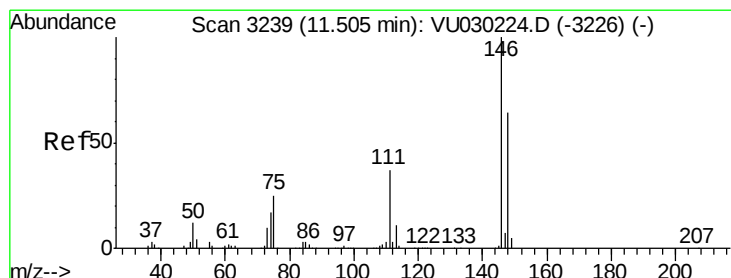
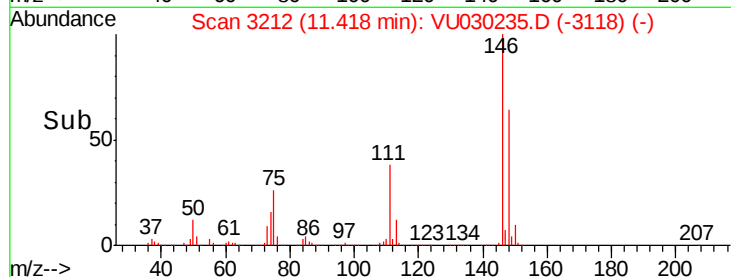
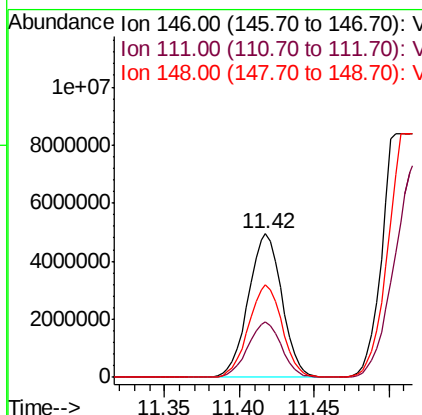
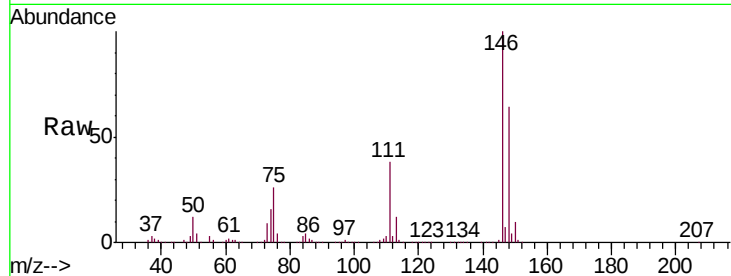




#62
 1,3-Dichlorobenzene
 Concen: 785.417 ug/L
 RT: 11.42 min Scan# 3212
 Delta R.T. 0.00 min
 Lab File: VU030235.D
 Acq: 20 Mar 2019 20:09

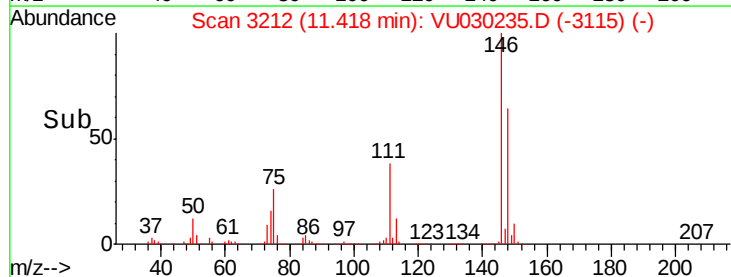
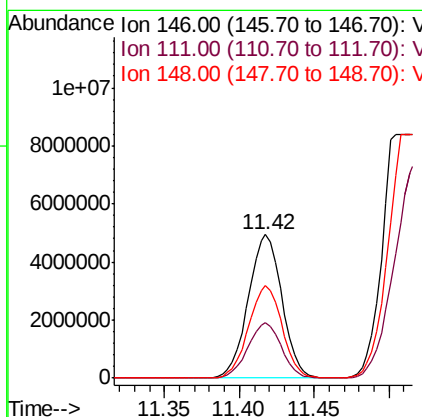
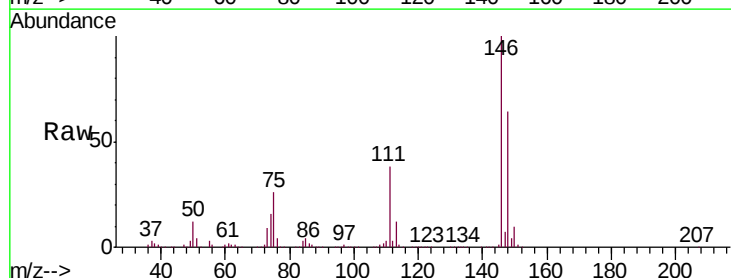
Instrument :
 MSVOA_U
 ClientSampled :
 C0966

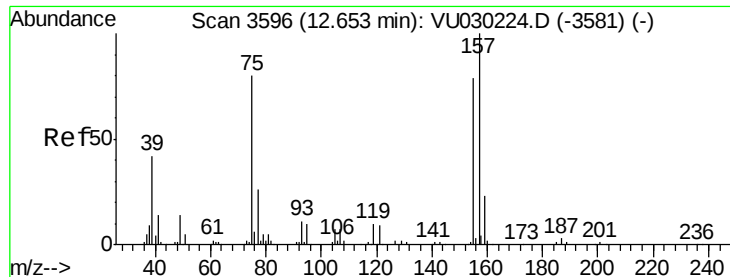
Tgt Ion:146 Resp: 7713046
 Ion Ratio Lower Upper
 146 100
 111 38.4 27.2 50.4
 148 64.2 44.4 82.5



#63
 1,4-Dichlorobenzene
 Concen: 757.196 ug/L
 RT: 11.42 min Scan# 3212
 Delta R.T. -0.09 min
 Lab File: VU030235.D
 Acq: 20 Mar 2019 20:09

Tgt Ion:146 Resp: 7713046
 Ion Ratio Lower Upper
 146 100
 111 38.4 25.3 46.9
 148 64.2 44.7 82.9

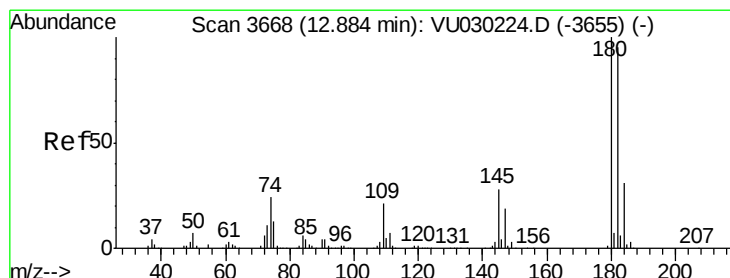
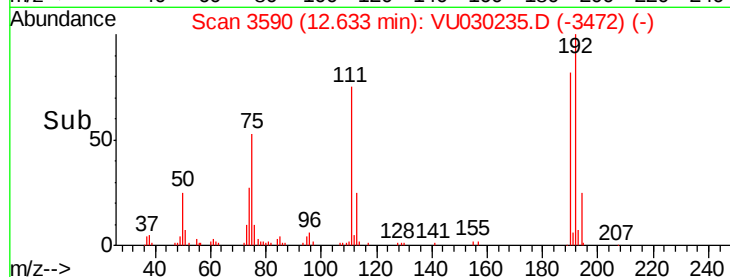
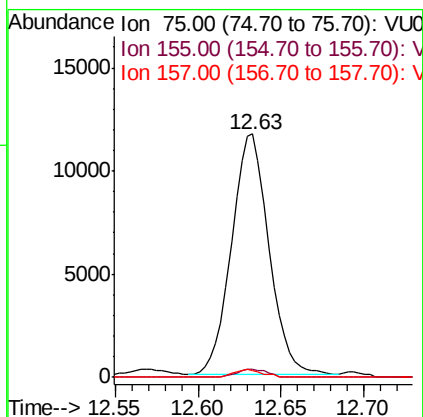
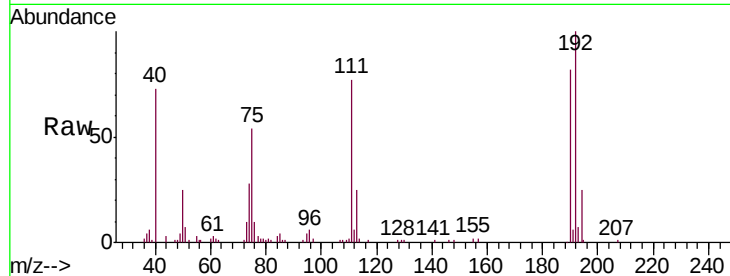




#66
 1,2-Dibromo-3-chloropropane
 Concen: 10.845 ug/L
 RT: 12.63 min Scan# 3590
 Delta R.T. -0.02 min
 Lab File: VU030235.D
 Acq: 20 Mar 2019 20:09

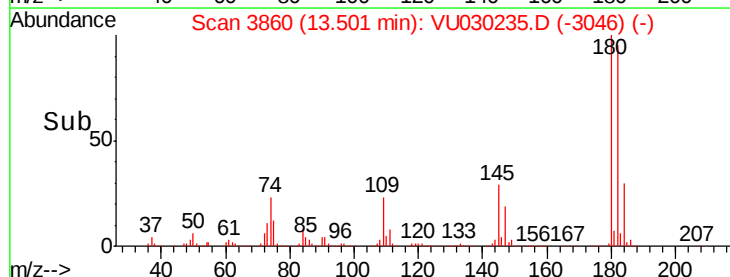
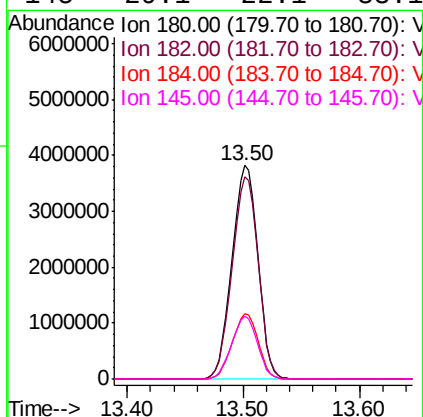
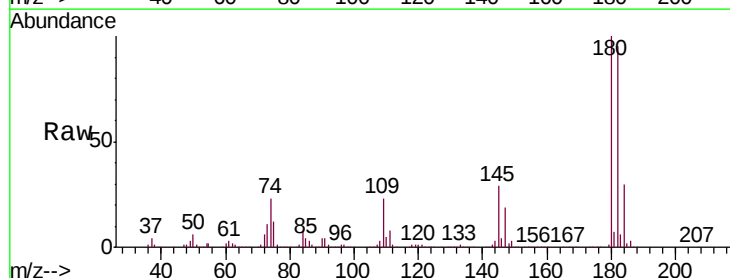
Instrument :
 MSVOA_U
 ClientSampleId :
 C0966

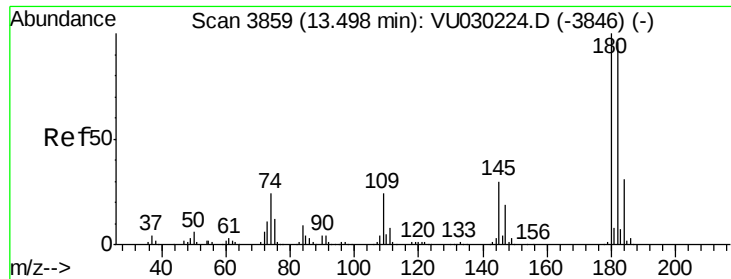
Tgt Ion: 75 Resp: 18192
 Ion Ratio Lower Upper
 75 100
 155 3.2 80.7 121.1#
 157 2.8 100.8 151.2#



#67
 1,3,5-Trichlorobenzene
 Concen: 764.556 ug/L
 RT: 13.50 min Scan# 3860
 Delta R.T. 0.62 min
 Lab File: VU030235.D
 Acq: 20 Mar 2019 20:09

Tgt Ion: 180 Resp: 5867901
 Ion Ratio Lower Upper
 180 100
 182 95.3 76.0 114.0
 184 30.5 24.2 36.4
 145 29.1 22.1 33.1

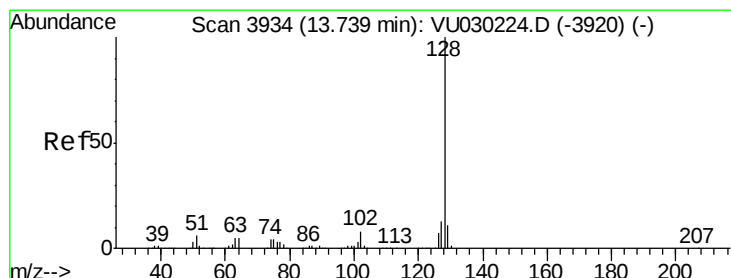
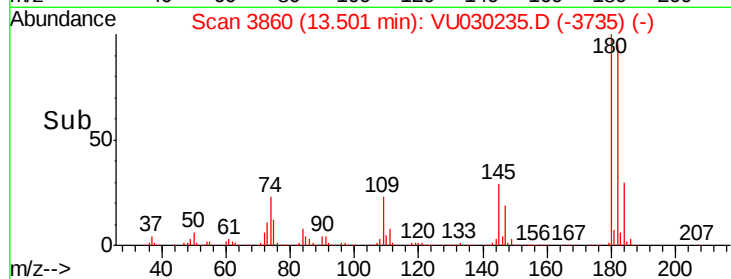
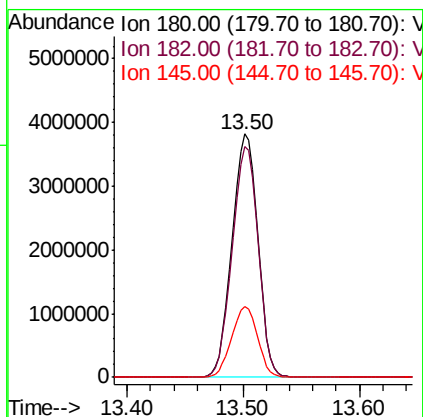
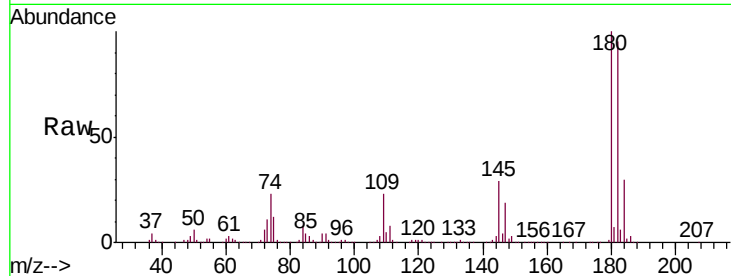




#68
 1,2,4-trichlorobenzene
 Concen: 864.570 ug/L
 RT: 13.50 min Scan# 3860
 Delta R.T. 0.00 min
 Lab File: VU030235.D
 Acq: 20 Mar 2019 20:09

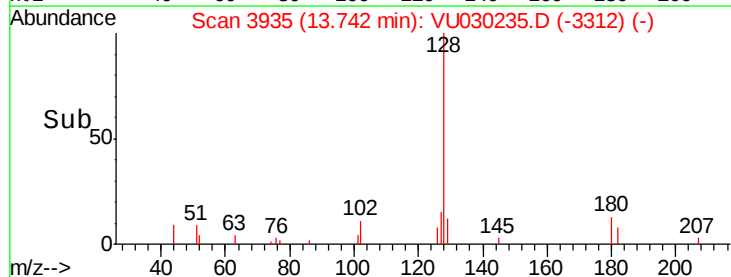
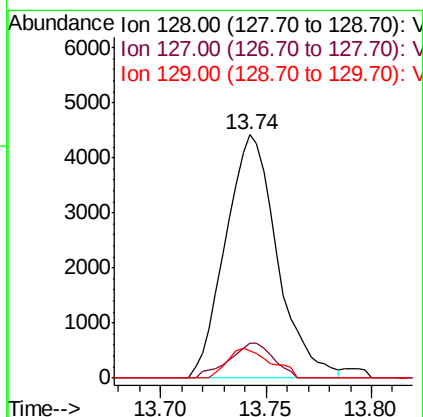
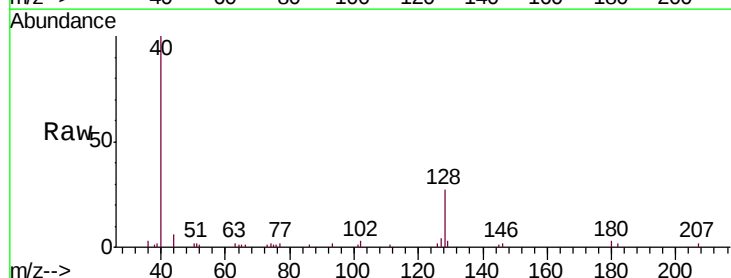
Instrument :
 MSVOA_U
 ClientSampleId :
 C0966

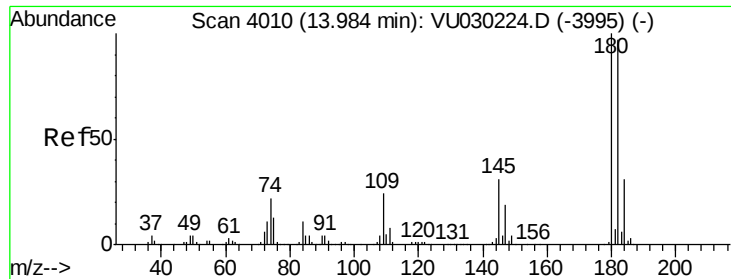
Tgt Ion:180 Resp: 5867901
 Ion Ratio Lower Upper
 180 100
 182 95.3 76.4 114.6
 145 29.1 22.7 34.1



#69
 Naphthalene
 Concen: 0.348 ug/L
 RT: 13.74 min Scan# 3935
 Delta R.T. 0.00 min
 Lab File: VU030235.D
 Acq: 20 Mar 2019 20:09

Tgt Ion:128 Resp: 7501
 Ion Ratio Lower Upper
 128 100
 127 12.3 10.2 15.2
 129 10.2 8.5 12.7





#70
 1,2,3-Trichlorobenzene
 Concen: 355.002 ug/L
 RT: 13.98 min Scan# 4010
 Delta R.T. -0.00 min
 Lab File: VU030235.D
 Acq: 20 Mar 2019 20:09

Instrument :
 MSVOA_U
 ClientSampleId :
 C0966

Tgt Ion:180 Resp: 2514063
 Ion Ratio Lower Upper
 180 100
 182 96.6 75.9 113.9
 145 30.6 24.1 36.1

