

Data File : VU030379.D
Acq On : 24 Mar 2019 18:35
Operator : JC/SP
Sample : K2016-15
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C09D5

Quant Time: Mar 25 03:27:11 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Mar 25 03:20:51 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	430783	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	406932	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	200342	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	133637	38.55	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	77.10%
7) Chloroethane-d5	1.68	69	113781	41.41	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	82.82%
11) 1,1-Dichloroethene-d2	2.27	63	197667	30.06	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	60.12%
21) 2-Butanone-d5	4.17	46	290839	89.24	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	89.24%
24) Chloroform-d	4.64	84	266565	44.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.26%
26) 1,2-Dichloroethane-d4	5.31	65	182552	46.70	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.40%
32) Benzene-d6	5.34	84	559104	47.91	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.82%
36) 1,2-Dichloropropane-d6	6.33	67	197336	49.42	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.84%
41) Toluene-d8	7.56	98	499955	47.70	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.40%
43) trans-1,3-Dichloropropene-	7.85	79	80219	42.73	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.46%
47) 2-Hexanone-d5	8.31	63	200493	92.67	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	92.67%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	258268	45.20	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	90.40%
64) 1,2-Dichlorobenzene-d4	11.86	152	185088	46.11	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.22%

Target Compounds

					Qvalue
9) Trichlorofluoromethane	1.88	101	48842	8.885 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	1822	0.580 ug/L #	21
13) Acetone	2.32	43	9471	2.874 ug/L	98
25) Chloroform	4.67	83	8188	1.298 ug/L	89
27) 1,2-Dichloroethane	5.39	62	4856	0.981 ug/L #	75
33) Benzene	5.39	78	550972	39.775 ug/L	100
39) cis-1,3-Dichloropropene	7.22	75	4163	0.737 ug/L #	63
44) trans-1,3-Dichloropropene	7.85	75	3413	0.686 ug/L	96
48) 2-Hexanone	8.31	43	23029	4.255 ug/L #	74
51) Chlorobenzene	9.12	112	1564316	179.538 ug/L	99
52) Ethylbenzene	9.25	91	12869	0.826 ug/L	99
54) o-xylene	9.78	106	12642	2.304 ug/L	93
62) 1,3-Dichlorobenzene	11.41	146	971370	148.262 ug/L	99
63) 1,4-Dichlorobenzene	11.51	146	13931967	2065.577 ug/L	96
65) 1,2-Dichlorobenzene	11.88	146	4349184	656.497 ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.63	75	2699	1.830 ug/L #	5
67) 1,3,5-Trichlorobenzene	13.50	180	959899	195.706 ug/L	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032419\
Quantitation Report (Not Reviewed)

Data File : VU030379.D
Acq On : 24 Mar 2019 18:35
Operator : JC/SP
Sample : K2016-15
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C09D5

Quant Time: Mar 25 03:27:11 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Mar 25 03:20:51 2019
Response via : Initial Calibration

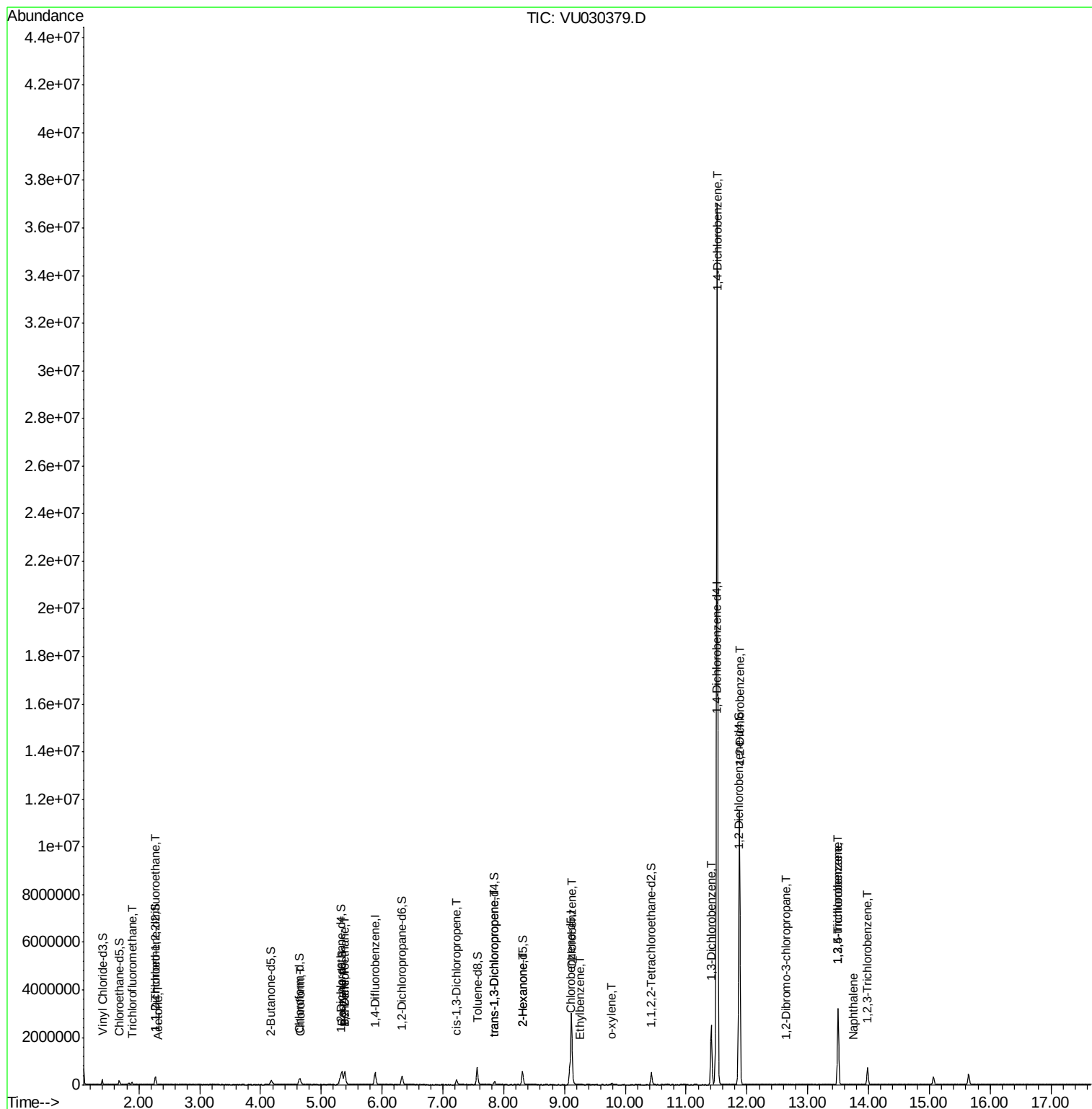
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1,2,4-trichlorobenzene	13.50	180	959899	225.241	ug/L	100
69) Naphthalene	13.74	128	11902	0.785	ug/L	97
70) 1,2,3-Trichlorobenzene	13.98	180	213569	47.459	ug/L	99

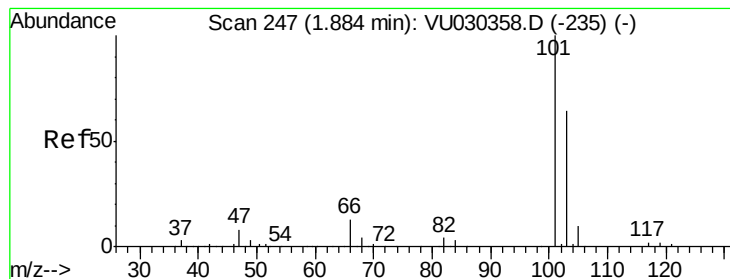
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VU030379.D
Acq On : 24 Mar 2019 18:35
Operator : JC/SP
Sample : K2016-15
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C09D5

Quant Time: Mar 25 03:27:11 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Mar 25 03:20:51 2019
Response via : Initial Calibration





#9

Trichlorofluoromethane

Concen: 8.885 ug/L

RT: 1.88 min Scan# 247

Delta R.T. 0.00 min

Lab File: VU030379.D

Acq: 24 Mar 2019 18:35

Instrument :

MSVOA_U

ClientSampleId :

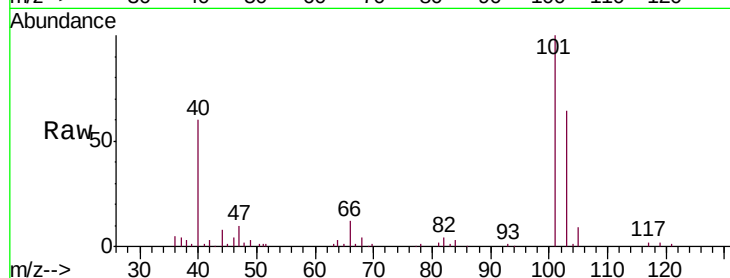
C09D5

Tgt Ion:101 Resp: 48842

Ion Ratio Lower Upper

101 100

103 64.6 51.1 76.7



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

1.88

30000

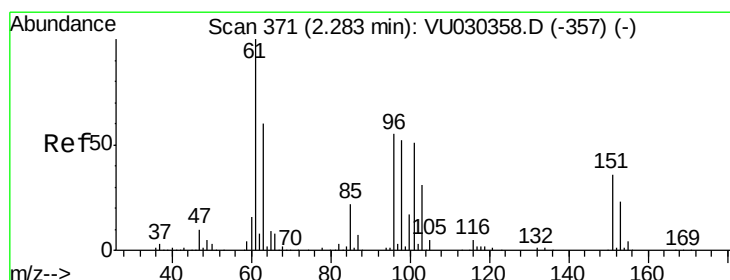
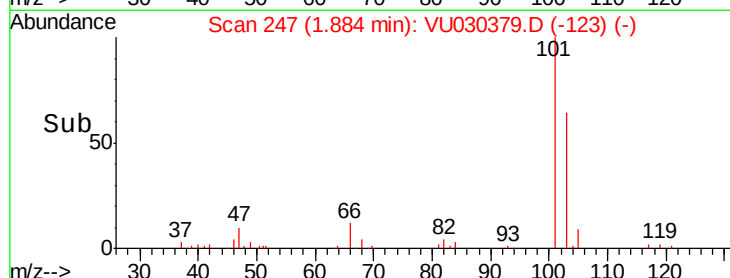
20000

10000

0

Time-->

1.85 1.90 1.95



#10

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

Concen: 0.580 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.01 min

Lab File: VU030379.D

Acq: 24 Mar 2019 18:35

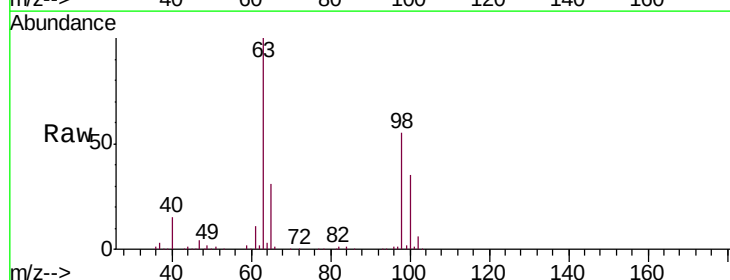
Tgt Ion:101 Resp: 1822

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): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V

2.27

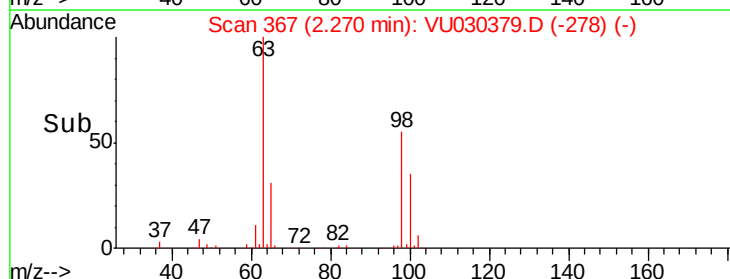
1000

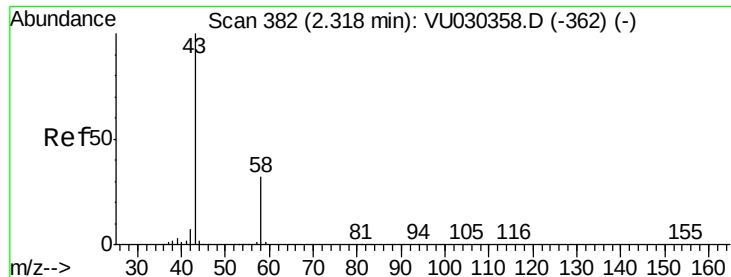
500

0

Time-->

2.25 2.30





#13

Acetone

Concen: 2.874 ug/L

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

Lab File: VU030379.D

Acq: 24 Mar 2019 18:35

Instrument :

MSVOA_U

ClientSampleId :

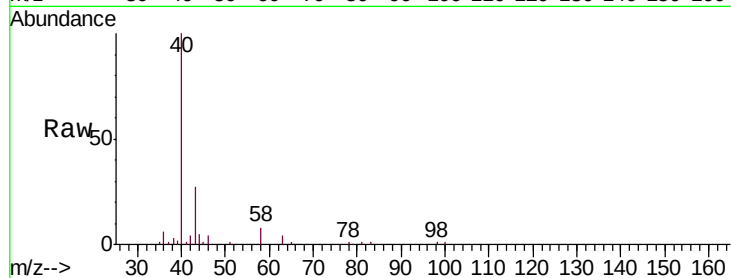
C09D5

Tgt Ion: 43 Resp: 9471

Ion Ratio Lower Upper

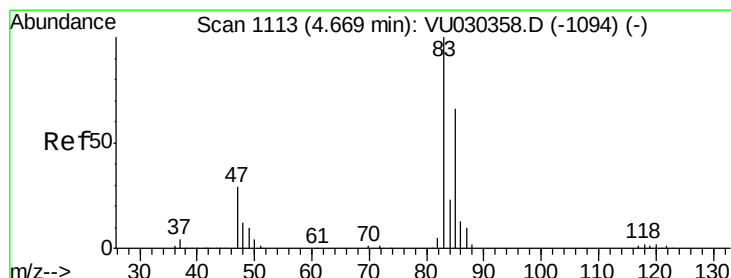
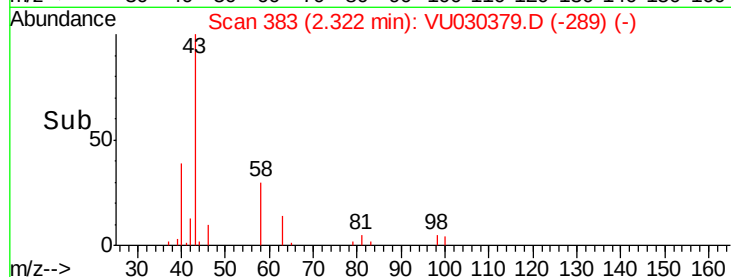
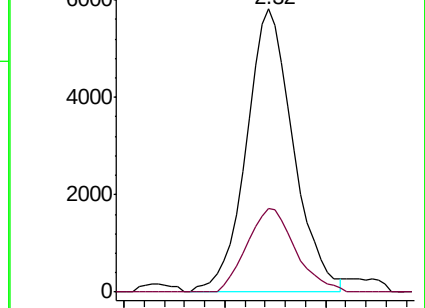
43 100

58 30.5 0.0 62.8



Abundance Ion 43.00 (42.70 to 43.70): VU030379.D (-1094) (-)

Ion 58.00 (57.70 to 58.70): VU030379.D (-1094) (-)



#25

Chloroform

Concen: 1.298 ug/L

RT: 4.67 min Scan# 1113

Delta R.T. 0.00 min

Lab File: VU030379.D

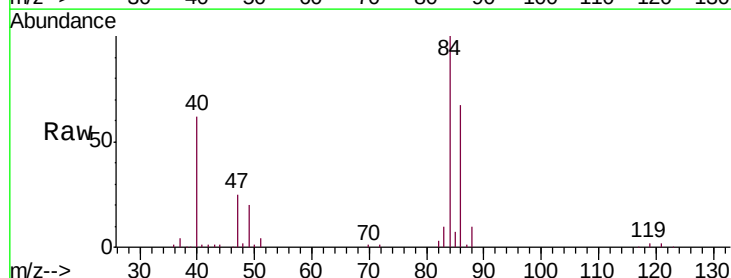
Acq: 24 Mar 2019 18:35

Tgt Ion: 83 Resp: 8188

Ion Ratio Lower Upper

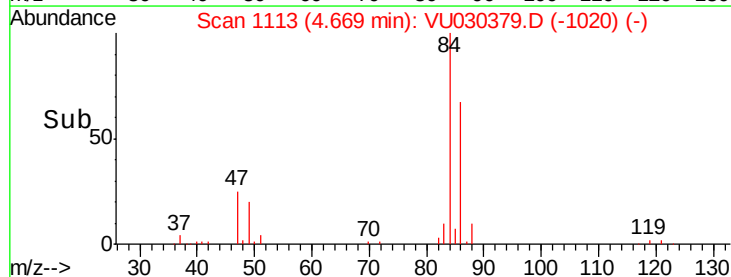
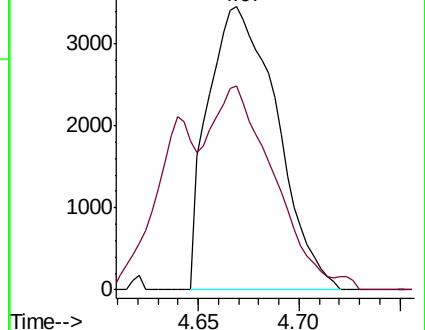
83 100

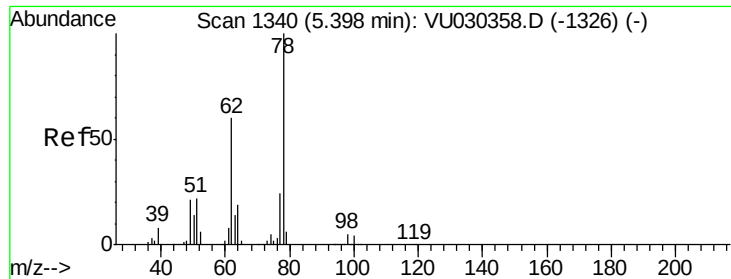
85 72.1 44.4 82.4



Abundance Ion 83.00 (82.70 to 83.70): VU030379.D (-1020) (-)

Ion 85.00 (84.70 to 85.70): VU030379.D (-1020) (-)

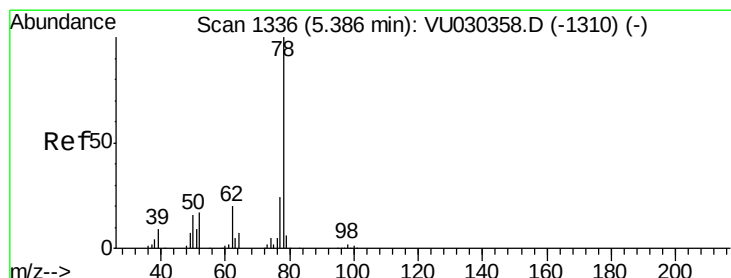
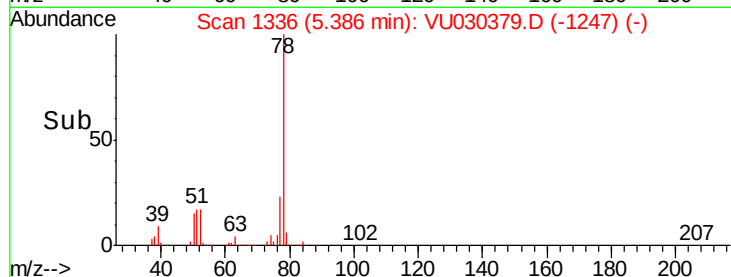
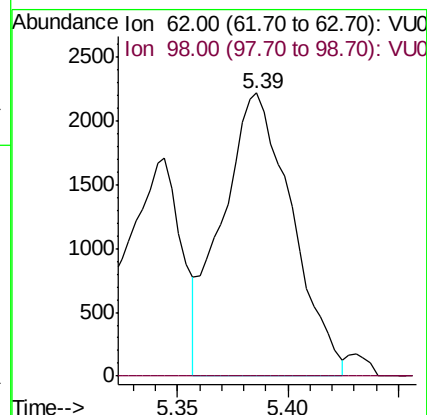
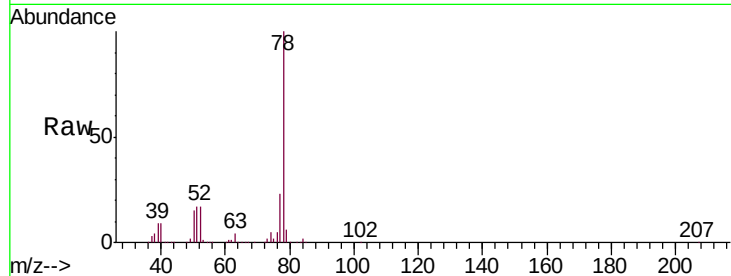




#27
 1,2-Dichloroethane
 Concen: 0.981 ug/L
 RT: 5.39 min Scan# 1336
 Delta R.T. -0.01 min
 Lab File: VU030379.D
 Acq: 24 Mar 2019 18:35

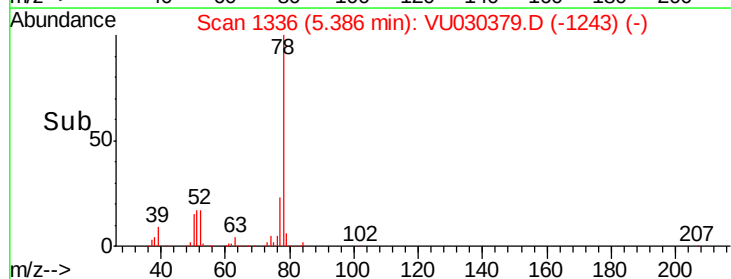
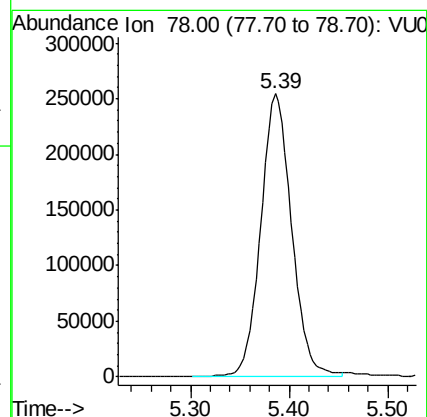
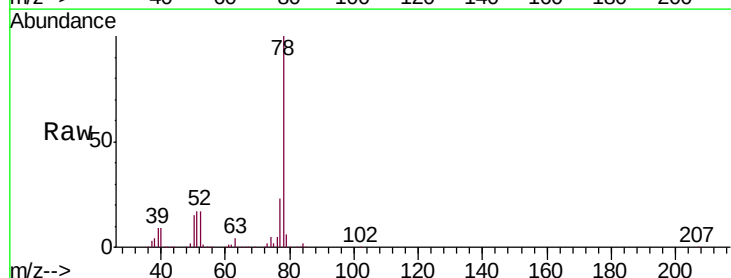
Instrument :
 MSVOA_U
 ClientSampleID :
 C09D5

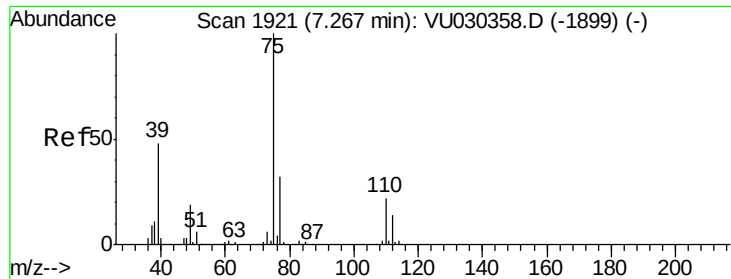
Tgt Ion: 62 Resp: 4856
 Ion Ratio Lower Upper
 62 100
 98 0.0 7.2 10.8#



#33
 Benzene
 Concen: 39.775 ug/L
 RT: 5.39 min Scan# 1336
 Delta R.T. 0.00 min
 Lab File: VU030379.D
 Acq: 24 Mar 2019 18:35

Tgt Ion: 78 Resp: 550972





#39

cis-1,3-Dichloropropene

Concen: 0.737 ug/L

RT: 7.22 min Scan# 1907

Delta R.T. -0.04 min

Lab File: VU030379.D

Acq: 24 Mar 2019 18:35

Instrument :

MSVOA_U

ClientSampleId :

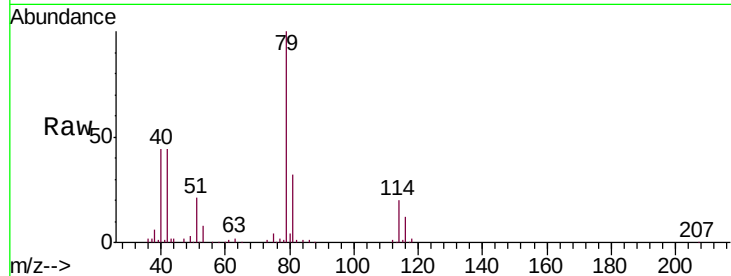
C09D5

Tgt Ion: 75 Resp: 4163

Ion Ratio Lower Upper

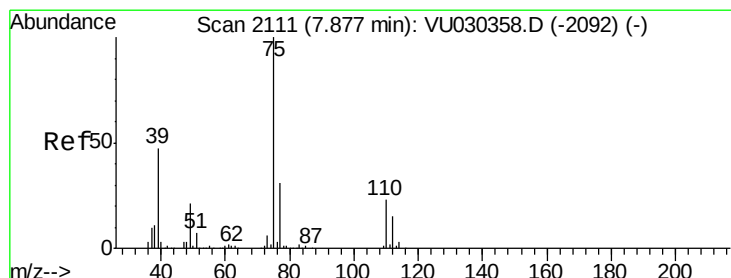
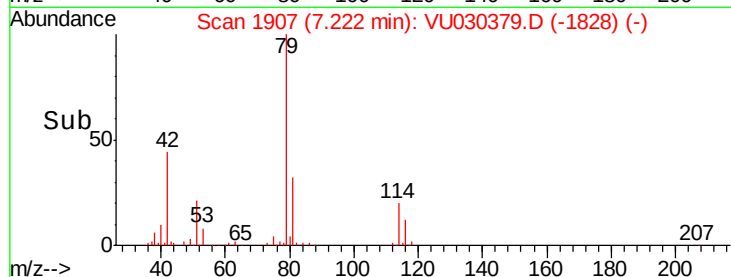
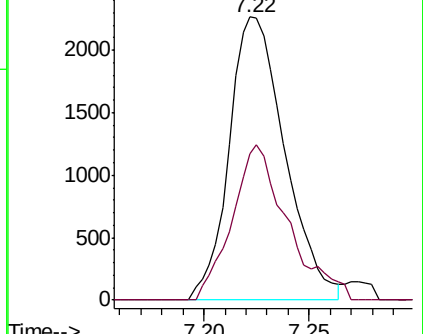
75 100

77 51.6 21.8 40.6#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0



#44

trans-1,3-Dichloropropene

Concen: 0.686 ug/L

RT: 7.85 min Scan# 2102

Delta R.T. -0.03 min

Lab File: VU030379.D

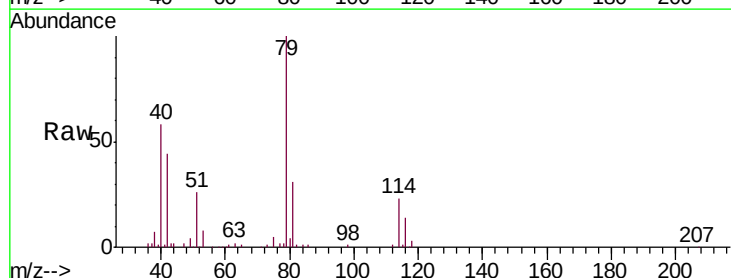
Acq: 24 Mar 2019 18:35

Tgt Ion: 75 Resp: 3413

Ion Ratio Lower Upper

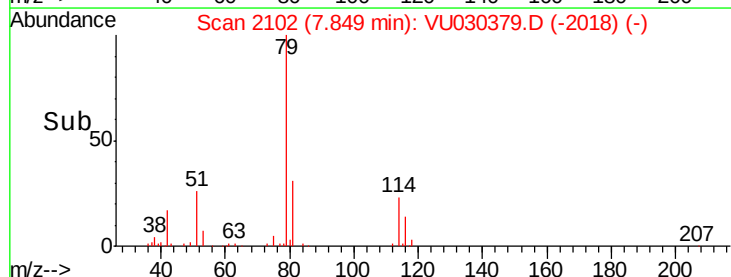
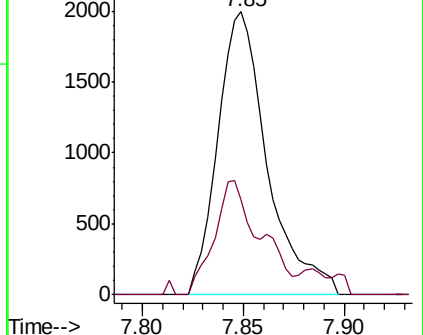
75 100

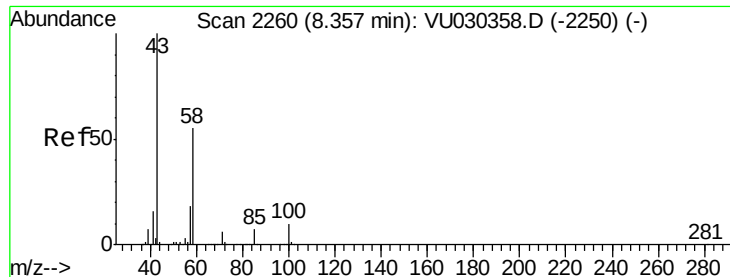
77 33.8 22.0 40.8



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

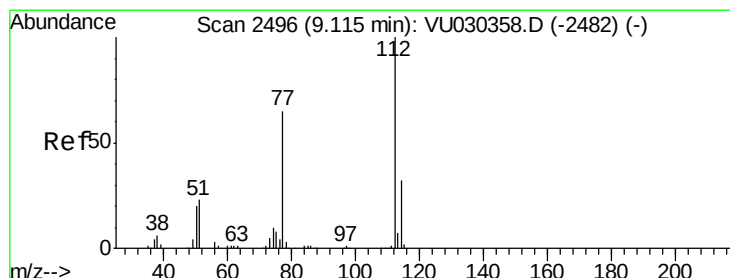
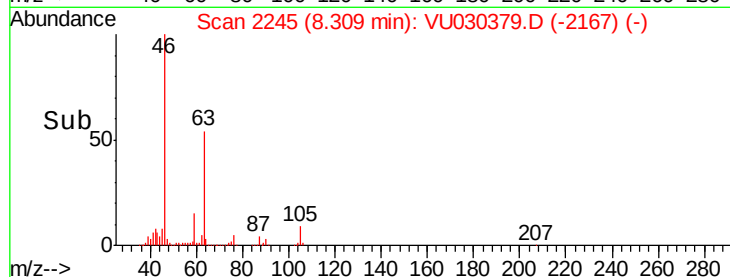
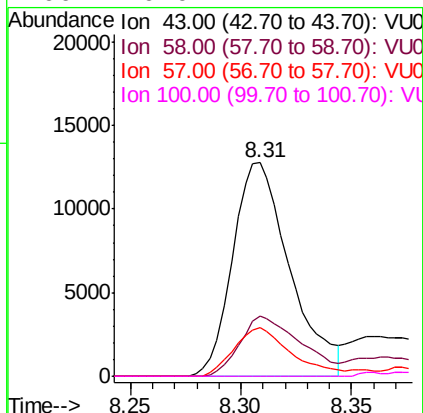
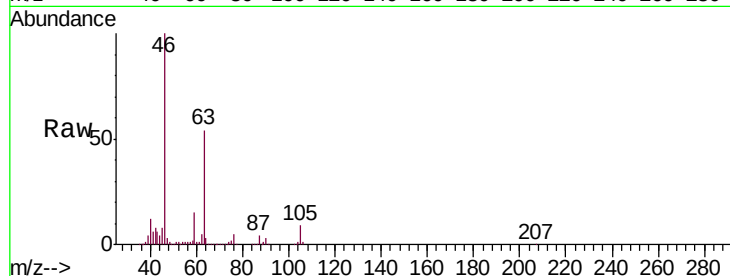




#48
2-Hexanone
Concen: 4.255 ug/L
RT: 8.31 min Scan# 2245
Delta R.T. -0.05 min
Lab File: VU030379.D
Acq: 24 Mar 2019 18:35

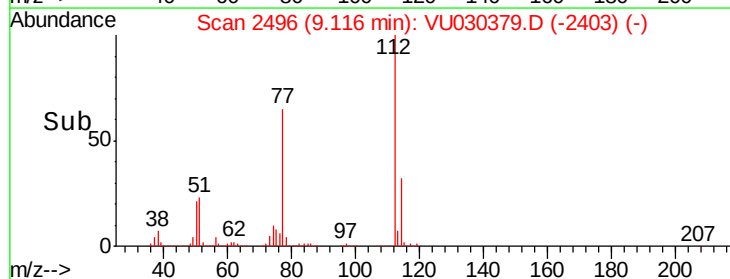
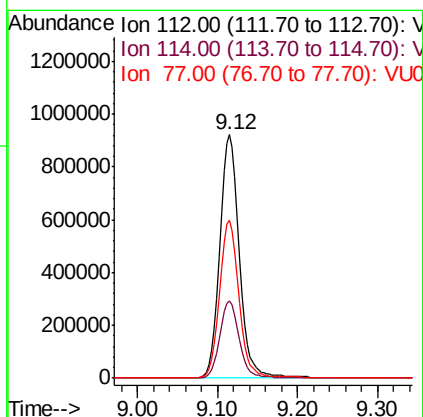
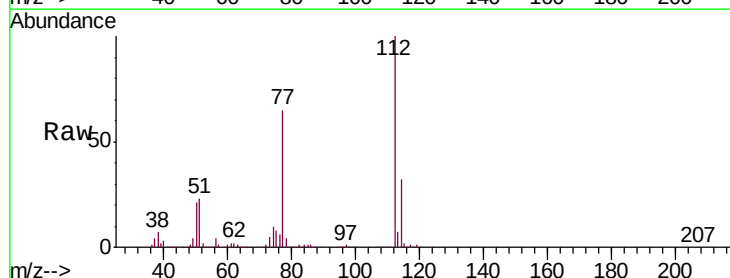
Instrument :
MSVOA_U
ClientSampleId :
C09D5

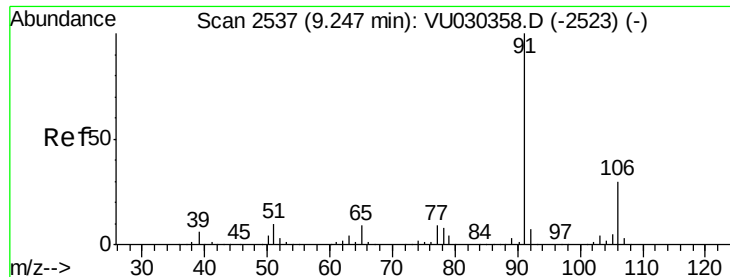
Tgt Ion: 43 Resp: 23029
Ion Ratio Lower Upper
43 100
58 30.1 42.5 63.7#
57 22.5 15.0 22.6
100 0.0 7.4 11.2#



#51
Chlorobenzene
Concen: 179.538 ug/L
RT: 9.12 min Scan# 2496
Delta R.T. 0.00 min
Lab File: VU030379.D
Acq: 24 Mar 2019 18:35

Tgt Ion: 112 Resp: 1564316
Ion Ratio Lower Upper
112 100
114 31.9 21.5 39.9
77 64.7 51.4 77.0





#52

Ethylbenzene

Concen: 0.826 ug/L

RT: 9.25 min Scan# 2538

Delta R.T. 0.00 min

Lab File: VU030379.D

Acq: 24 Mar 2019 18:35

Instrument :

MSVOA_U

ClientSampleID :

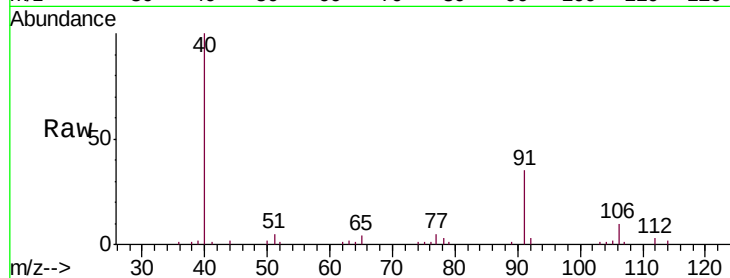
C09D5

Tgt Ion: 91 Resp: 12869

Ion Ratio Lower Upper

91 100

106 29.1 20.6 38.2



Abundance Ion 91.00 (90.70 to 91.70): VU030358.D (-2523) (-)

Ion 106.00 (105.70 to 106.70): VU030379.D (-2444) (-)

9.25

8000

6000

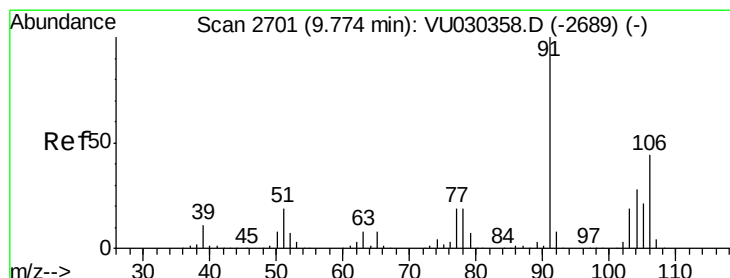
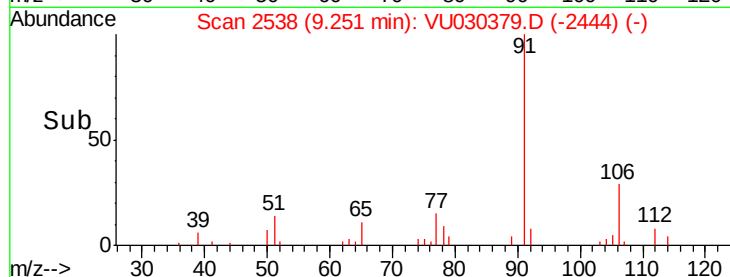
4000

2000

0

9.20 9.25 9.30

Time-->



#54

o-xylene

Concen: 2.304 ug/L

RT: 9.78 min Scan# 2702

Delta R.T. 0.00 min

Lab File: VU030379.D

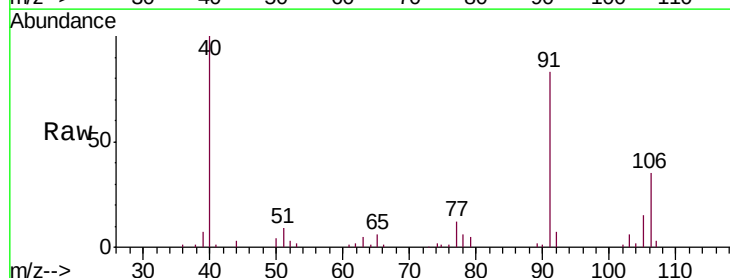
Acq: 24 Mar 2019 18:35

Tgt Ion: 106 Resp: 12642

Ion Ratio Lower Upper

106 100

91 238.8 159.6 296.4



Abundance Ion 106.00 (105.70 to 106.70): VU030358.D (-2689) (-)

Ion 91.00 (90.70 to 91.70): VU030379.D (-2608) (-)

9.78

20000

15000

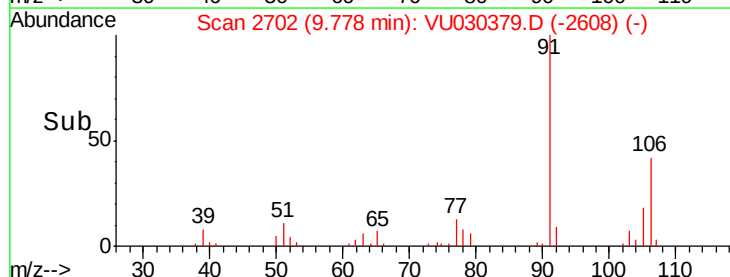
10000

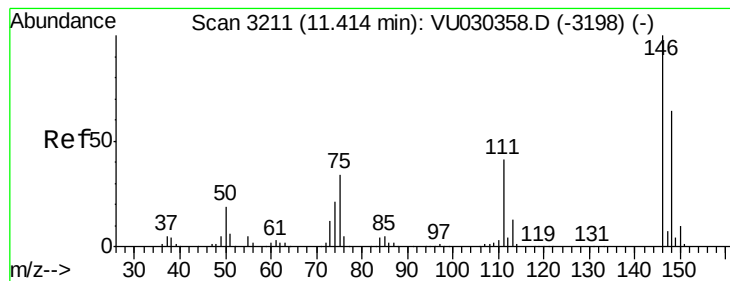
5000

0

9.75 9.80 9.85

Time-->





#62

1,3-Dichlorobenzene

Concen: 148.262 ug/L

RT: 11.41 min Scan# 3211

Delta R.T. 0.00 min

Lab File: VU030379.D

Acq: 24 Mar 2019 18:35

Instrument :

MSVOA_U

ClientSampled :

C09D5

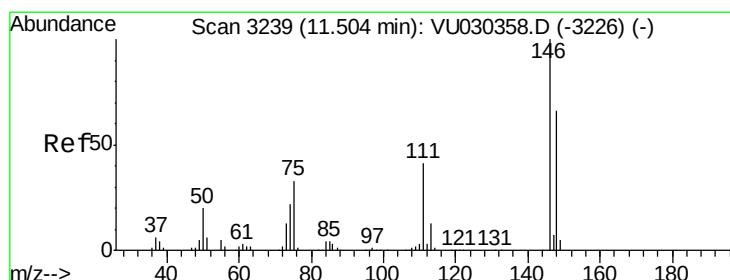
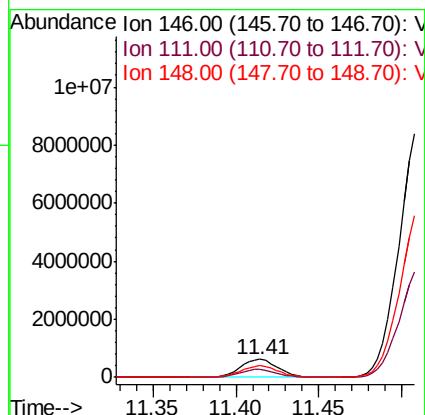
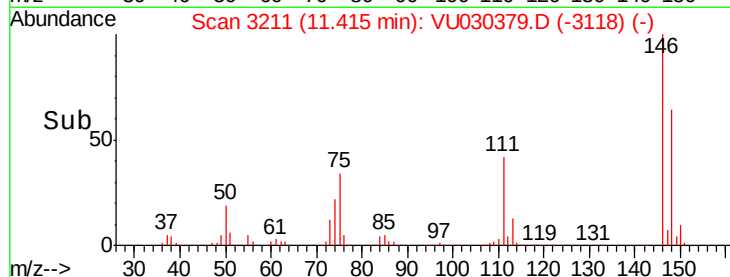
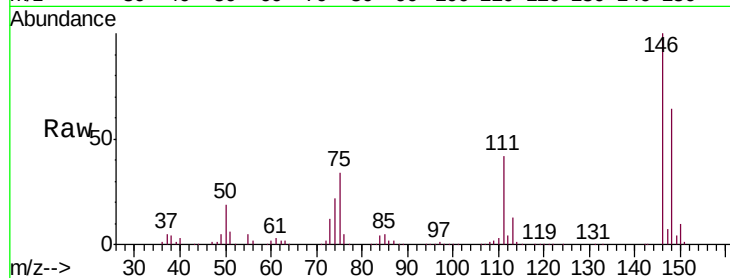
Tgt Ion:146 Resp: 971370

Ion Ratio Lower Upper

146 100

111 42.0 29.2 54.2

148 64.4 44.4 82.4



#63

1,4-Dichlorobenzene

Concen: 2065.577 ug/L

RT: 11.51 min Scan# 3240

Delta R.T. 0.00 min

Lab File: VU030379.D

Acq: 24 Mar 2019 18:35

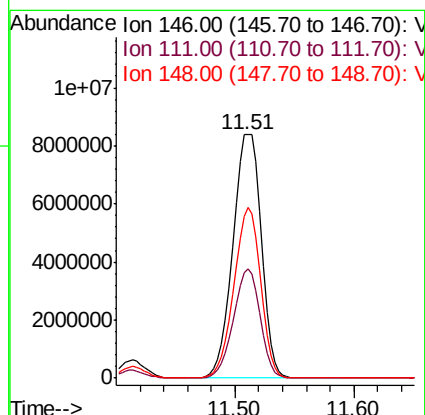
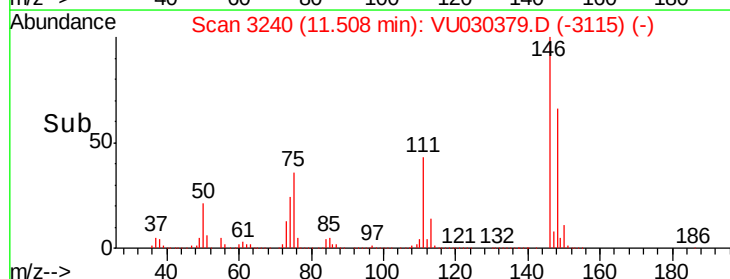
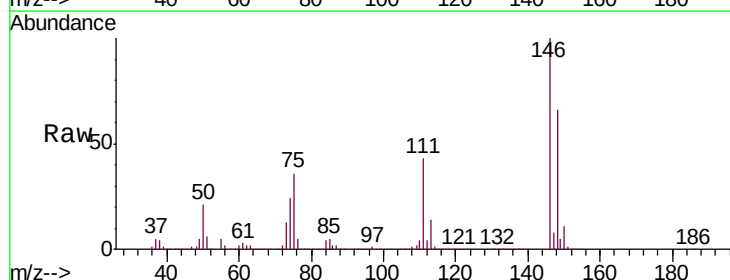
Tgt Ion:146 Resp:13931967

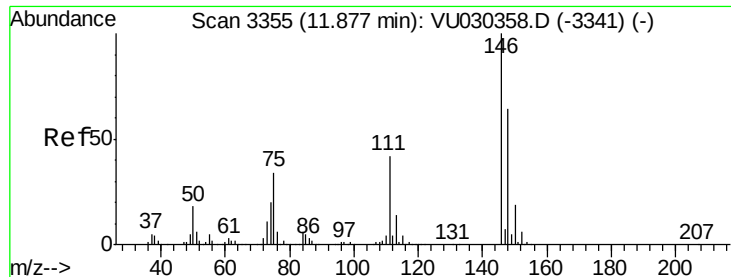
Ion Ratio Lower Upper

146 100

111 43.1 28.7 53.3

148 66.2 44.3 82.3

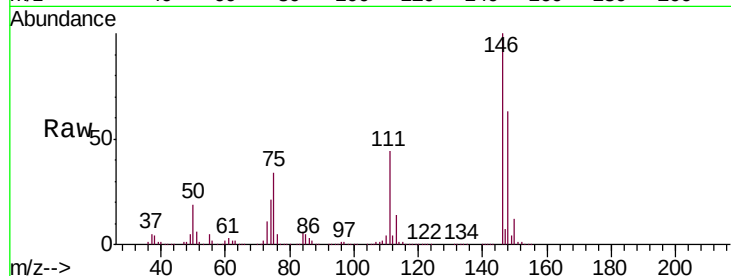




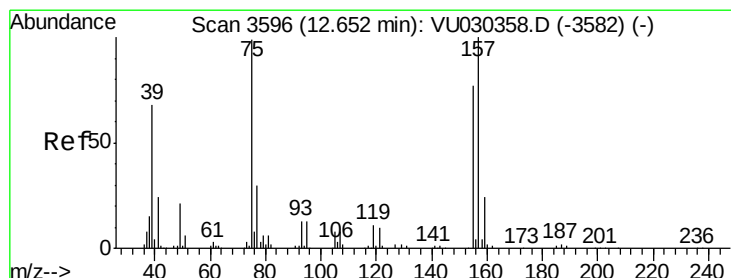
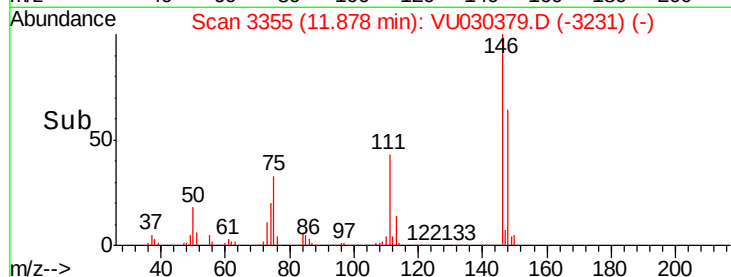
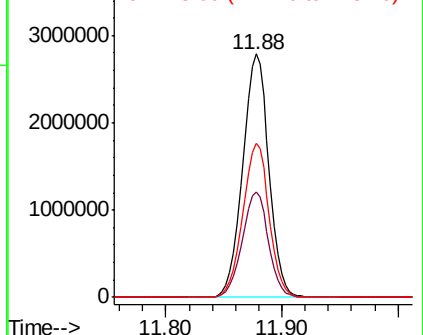
#65
 1,2-Dichlorobenzene
 Concen: 656.497 ug/L
 RT: 11.88 min Scan# 3355
 Delta R.T. 0.00 min
 Lab File: VU030379.D
 Acq: 24 Mar 2019 18:35

Instrument :
 MSVOA_U
 ClientSampleId :
 C09D5

Tgt Ion:146 Resp: 4349184
 Ion Ratio Lower Upper
 146 100
 111 43.5 34.9 52.3
 148 63.4 51.2 76.8

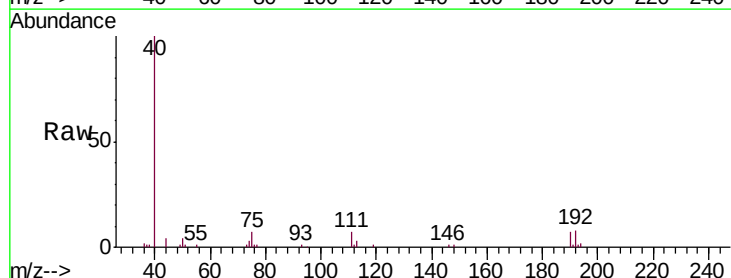


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

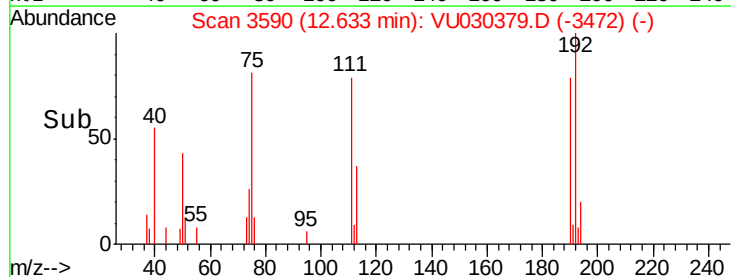
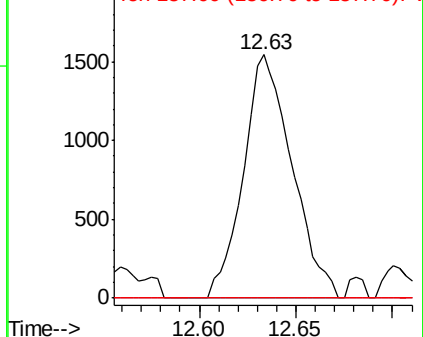


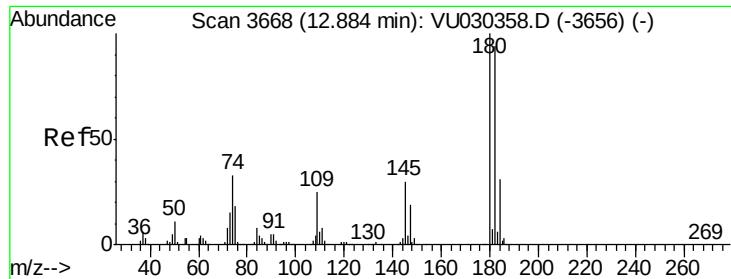
#66
 1,2-Dibromo-3-chloropropane
 Concen: 1.830 ug/L
 RT: 12.63 min Scan# 3590
 Delta R.T. -0.02 min
 Lab File: VU030379.D
 Acq: 24 Mar 2019 18:35

Tgt Ion: 75 Resp: 2699
 Ion Ratio Lower Upper
 75 100
 155 0.0 61.8 92.6#
 157 0.0 80.2 120.4#



Abundance Ion 75.00 (74.70 to 75.70): VU0
 Ion 155.00 (154.70 to 155.70): V
 Ion 157.00 (156.70 to 157.70): V

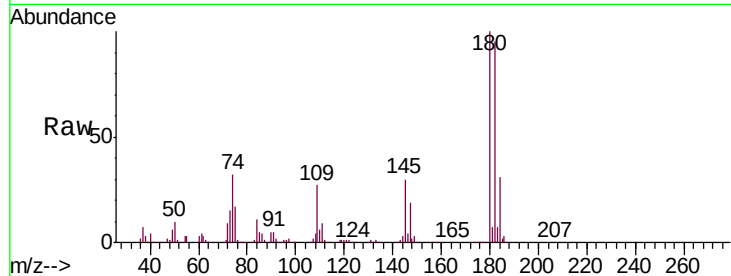




#67
 1,3,5-Trichlorobenzene
 Concen: 195.706 ug/L
 RT: 13.50 min Scan# 3859
 Delta R.T. 0.61 min
 Lab File: VU030379.D
 Acq: 24 Mar 2019 18:35

Instrument :
 MSVOA_U
 ClientSampleId :
 C09D5

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.2	75.9	113.9
184	30.5	24.1	36.1
145	30.2	23.8	35.8



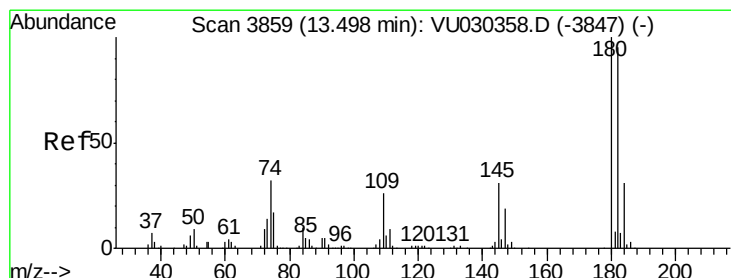
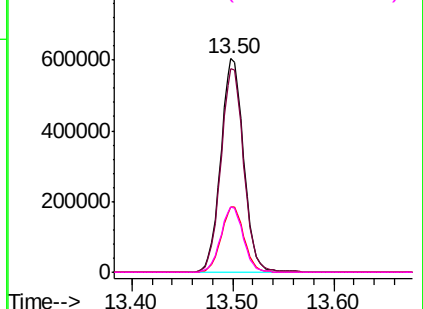
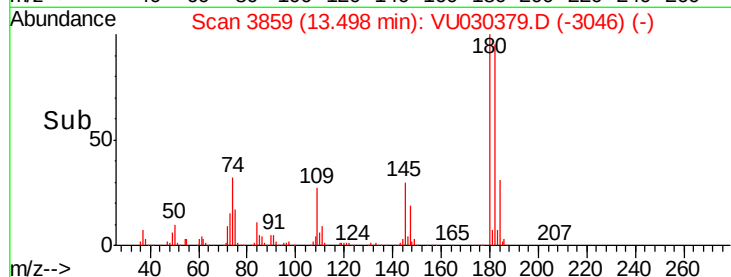
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

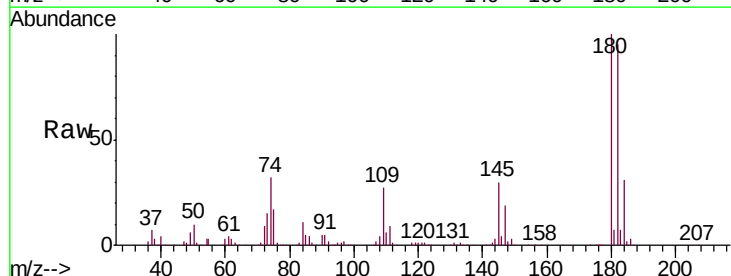
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 225.241 ug/L
 RT: 13.50 min Scan# 3859
 Delta R.T. 0.00 min
 Lab File: VU030379.D
 Acq: 24 Mar 2019 18:35

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.2	76.1	114.1
145	30.2	24.5	36.7

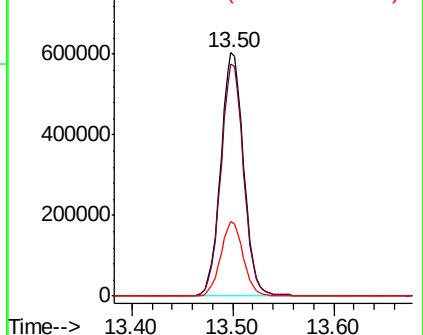
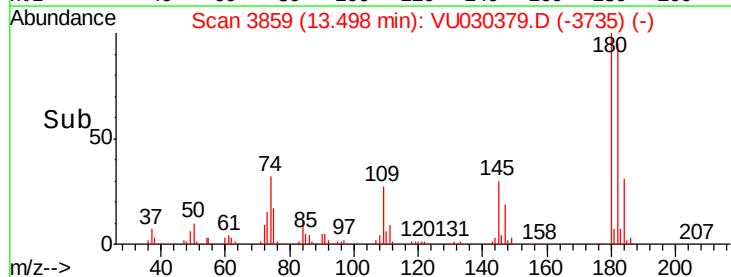


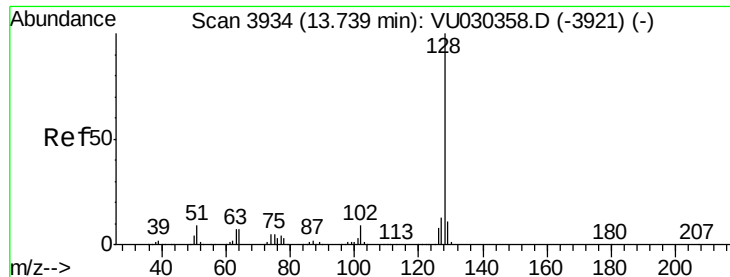
Abundance

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





#69

Naphthalene

Concen: 0.785 ug/L

RT: 13.74 min Scan# 3935

Delta R.T. 0.00 min

Lab File: VU030379.D

Acq: 24 Mar 2019 18:35

Instrument :

MSVOA_U

ClientSampleId :

C09D5

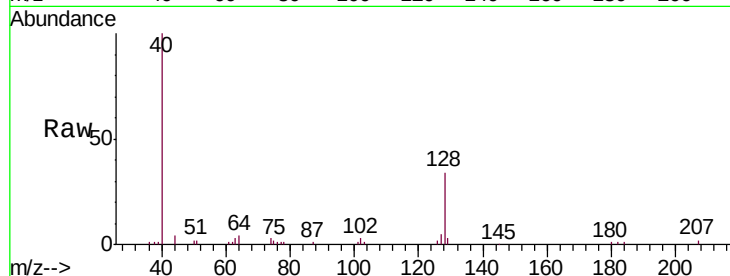
Tgt Ion:128 Resp: 11902

Ion Ratio Lower Upper

128 100

127 14.1 10.4 15.6

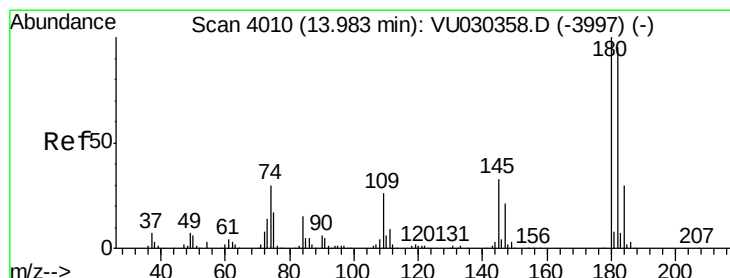
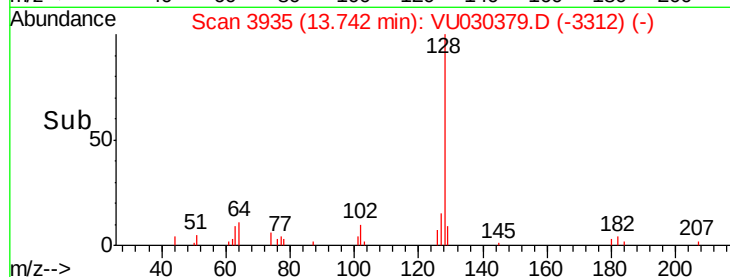
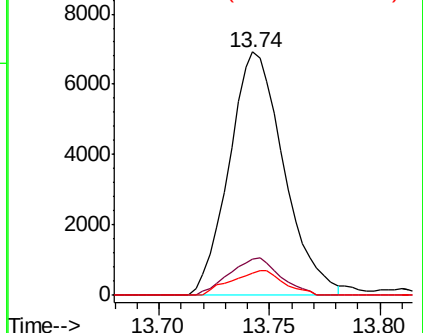
129 9.7 8.4 12.6



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 47.459 ug/L

RT: 13.98 min Scan# 4010

Delta R.T. 0.00 min

Lab File: VU030379.D

Acq: 24 Mar 2019 18:35

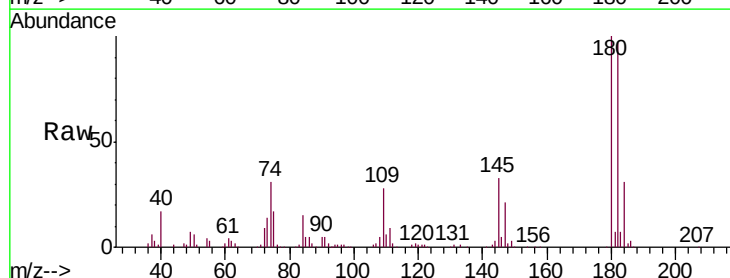
Tgt Ion:180 Resp: 213569

Ion Ratio Lower Upper

180 100

182 95.4 77.4 116.2

145 32.5 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

