

Data File : VU030439.D
Acq On : 26 Mar 2019 13:11
Operator : JC/SP
Sample : K2070-17 50X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C09E3

Quant Time: Mar 27 04:34:17 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	453642	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	427740	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	188428	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	193760	53.07	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	106.14%
7) Chloroethane-d5	1.67	69	151740	52.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	104.88%
11) 1,1-Dichloroethene-d2	2.27	63	269009	38.84	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	77.68%
21) 2-Butanone-d5	4.17	46	347522	101.26	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	101.26%
24) Chloroform-d	4.64	84	313526	49.84	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.68%
26) 1,2-Dichloroethane-d4	5.31	65	211465	51.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.76%
32) Benzene-d6	5.34	84	643769	52.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.96%
36) 1,2-Dichloropropane-d6	6.33	67	228089	54.35	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	108.70%
41) Toluene-d8	7.56	98	559562	50.79	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.58%
43) trans-1,3-Dichloropropene-	7.85	79	97617	49.47	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.94%
47) 2-Hexanone-d5	8.31	63	218682	96.16	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	96.16%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	296854	49.43	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.86%
64) 1,2-Dichlorobenzene-d4	11.85	152	196321	52.00	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.00%

Target Compounds

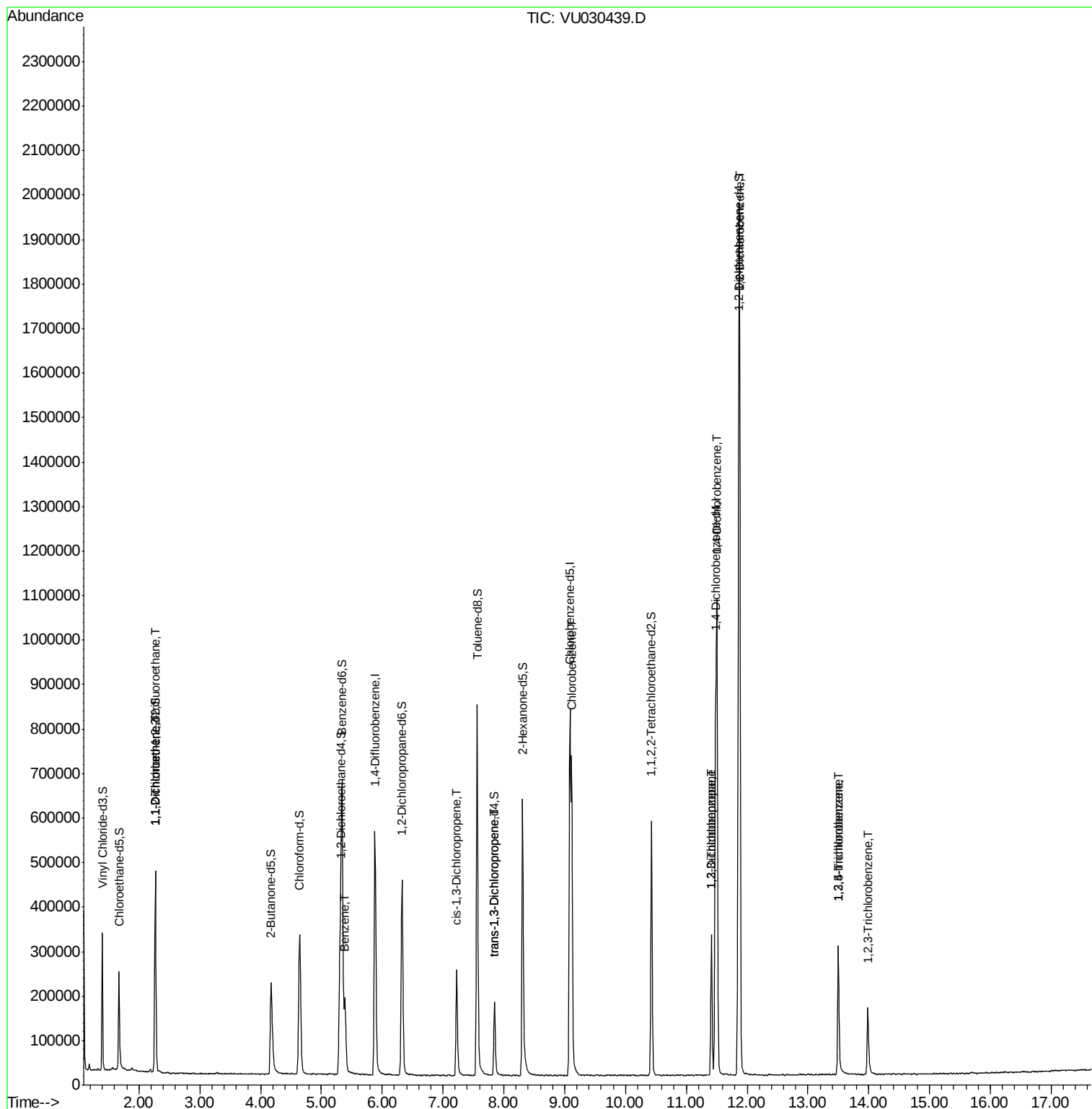
						Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	2325	0.702	ug/L #	21
12) 1,1-Dichloroethene	2.27	96	1981	0.610	ug/L #	1
33) Benzene	5.39	78	164317	11.285	ug/L	100
39) cis-1,3-Dichloropropene	7.23	75	5394	0.908	ug/L #	63
44) trans-1,3-Dichloropropene	7.85	75	3781	0.723	ug/L	90
51) Chlorobenzene	9.12	112	362515	39.582	ug/L	100
59) 1,2,3-Trichloropropane	11.41	75	43744	8.697	ug/L #	44
62) 1,3-Dichlorobenzene	11.41	146	123976	20.119	ug/L	97
63) 1,4-Dichlorobenzene	11.50	146	374568	59.045	ug/L	99
65) 1,2-Dichlorobenzene	11.87	146	689792	110.706	ug/L	99
67) 1,3,5-Trichlorobenzene	13.50	180	96238	20.862	ug/L	97
68) 1,2,4-trichlorobenzene	13.50	180	96238	24.010	ug/L	95
70) 1,2,3-Trichlorobenzene	13.99	180	54582	12.896	ug/L	99

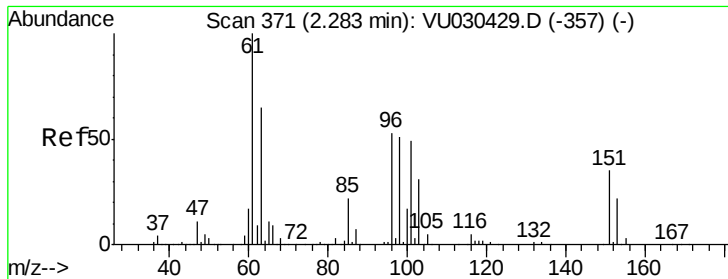
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.702 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.02 min

Lab File: VU030439.D

Acq: 26 Mar 2019 13:11

Instrument :

MSVOA_U

ClientSampleId :

C09E3

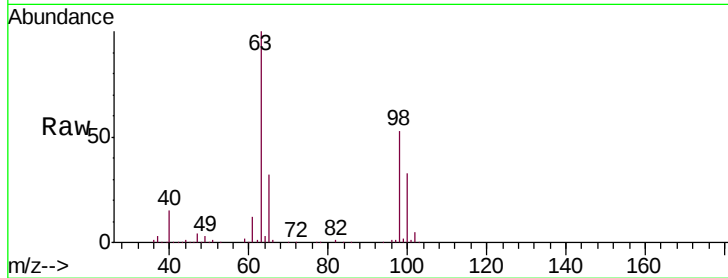
Tgt Ion: 101 Resp: 2325

Ion Ratio Lower Upper

101 100

85 0.0 34.8 52.2#

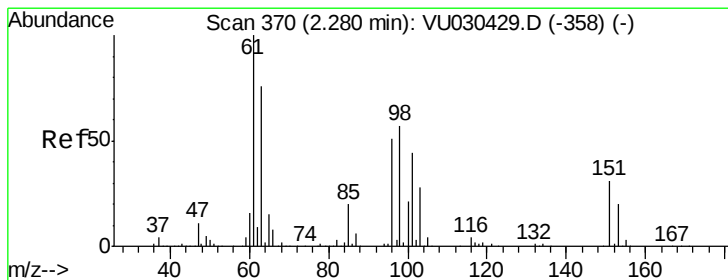
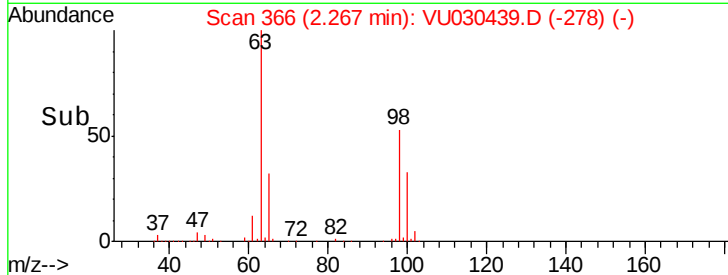
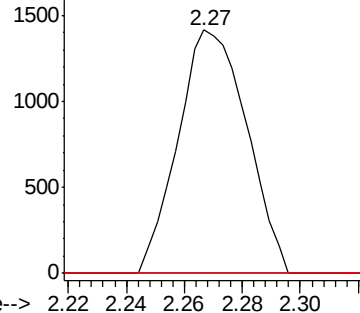
151 0.0 56.6 85.0#



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



#12

1,1-Dichloroethene

Concen: 0.610 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.01 min

Lab File: VU030439.D

Acq: 26 Mar 2019 13:11

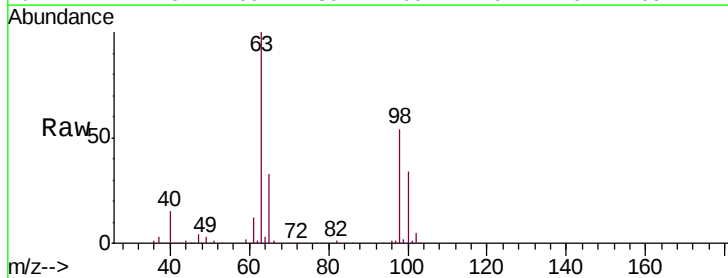
Tgt Ion: 96 Resp: 1981

Ion Ratio Lower Upper

96 100

61 1564.0 131.0 243.4#

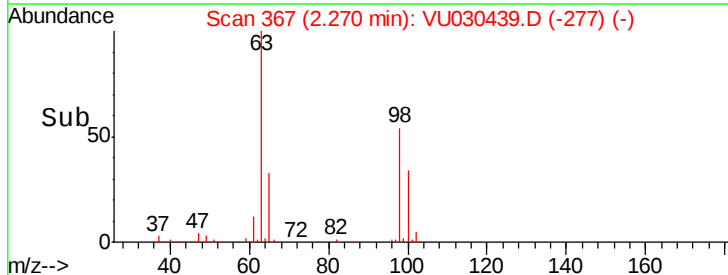
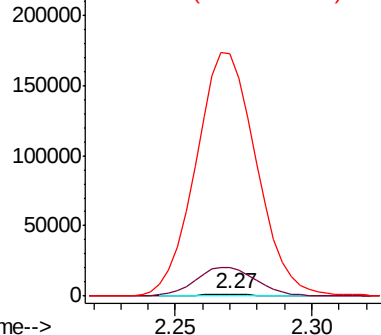
63 13381.4 92.4 171.6#

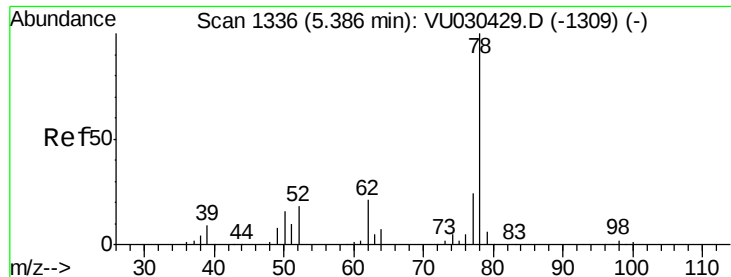


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#33

Benzene

Concen: 11.285 ug/L

RT: 5.39 min Scan# 1336

Delta R.T. -0.00 min

Lab File: VU030439.D

Acq: 26 Mar 2019 13:11

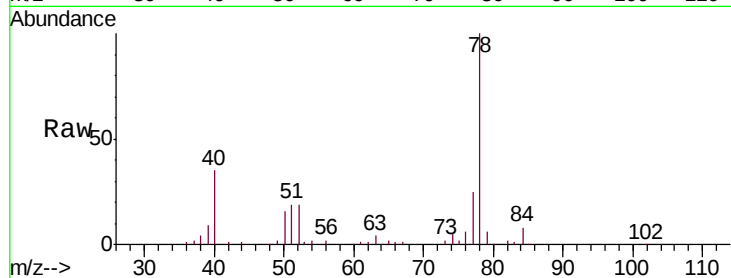
Instrument :

MSVOA_U

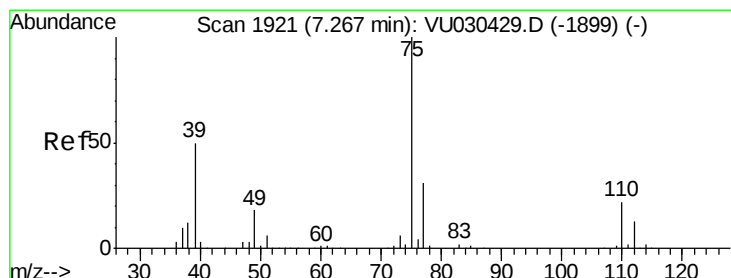
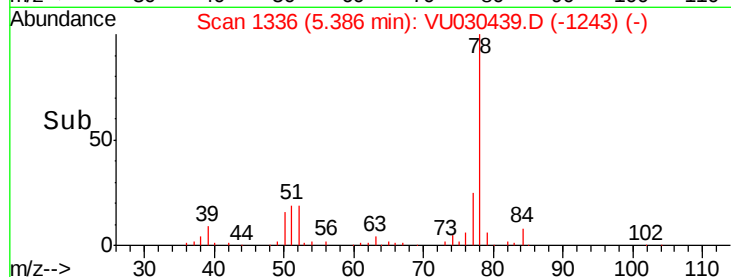
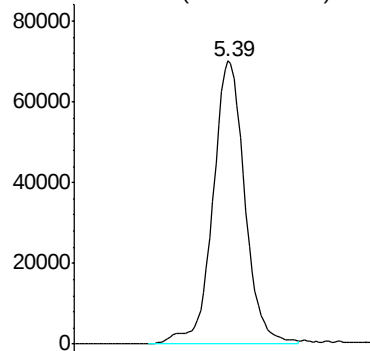
ClientSampleId :

C09E3

Tgt Ion: 78 Resp: 164317



Abundance Ion 78.00 (77.70 to 78.70): VU0



#39

cis-1,3-Dichloropropene

Concen: 0.908 ug/L

RT: 7.23 min Scan# 1909

Delta R.T. -0.04 min

Lab File: VU030439.D

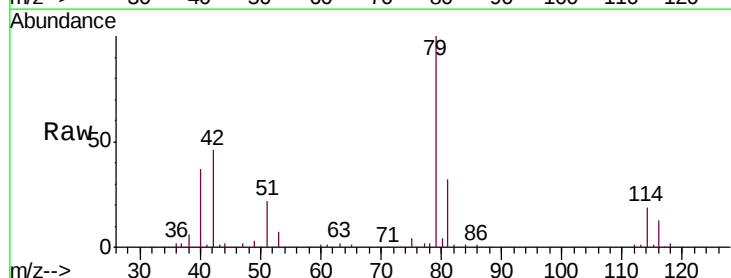
Acq: 26 Mar 2019 13:11

Tgt Ion: 75 Resp: 5394

Ion Ratio Lower Upper

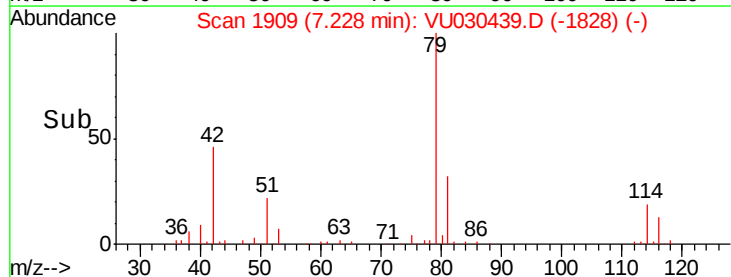
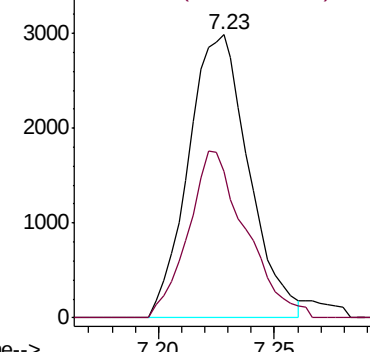
75 100

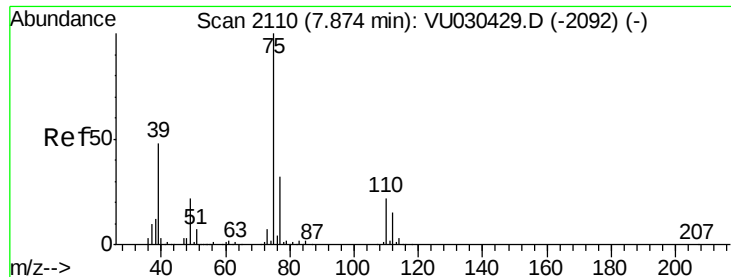
77 51.6 21.8 40.6#



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: 0.723 ug/L

RT: 7.85 min Scan# 2101

Delta R.T. -0.03 min

Lab File: VU030439.D

Acq: 26 Mar 2019 13:11

Instrument :

MSVOA_U

ClientSampleId :

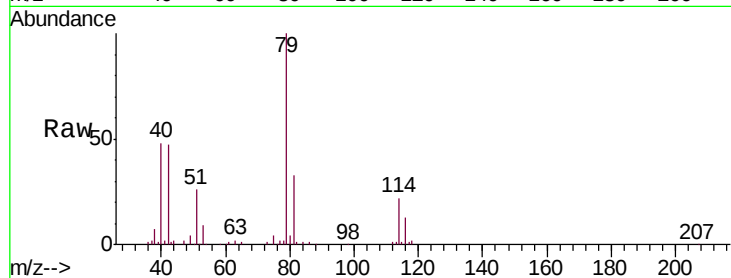
C09E3

Tgt Ion: 75 Resp: 3781

Ion Ratio Lower Upper

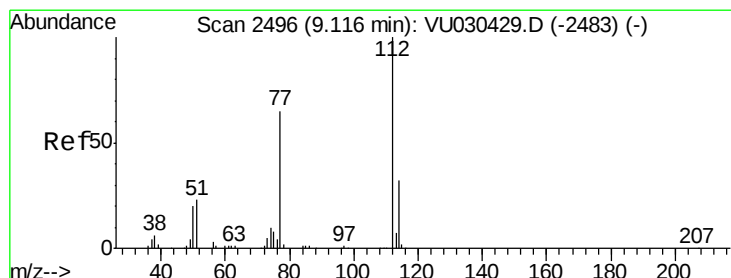
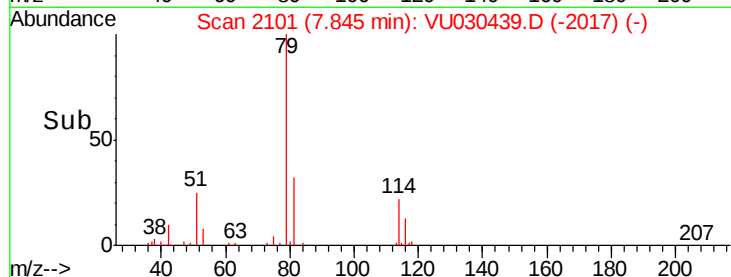
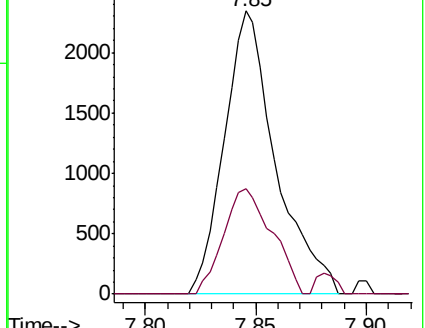
75 100

77 37.2 22.0 40.8



Abundance Ion 75.00 (74.70 to 75.70): VU030429.D (-2092) (-)

Ion 77.00 (76.70 to 77.70): VU030429.D (-2092) (-)



#51

Chlorobenzene

Concen: 39.582 ug/L

RT: 9.12 min Scan# 2496

Delta R.T. -0.00 min

Lab File: VU030439.D

Acq: 26 Mar 2019 13:11

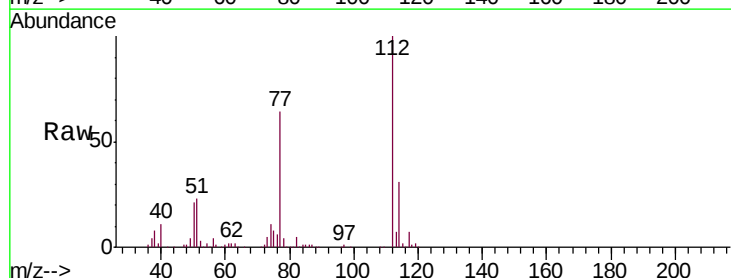
Tgt Ion: 112 Resp: 362515

Ion Ratio Lower Upper

112 100

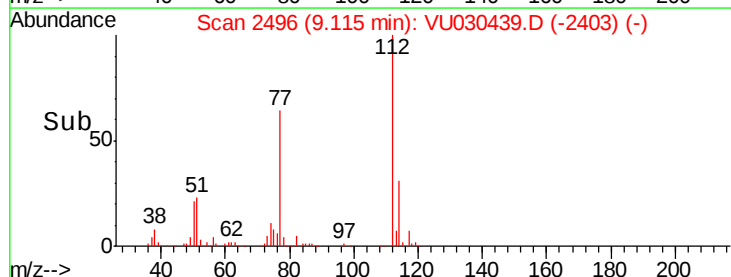
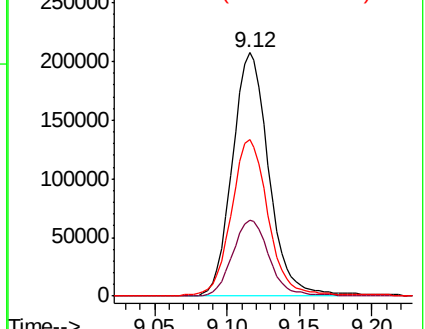
114 31.4 21.5 39.9

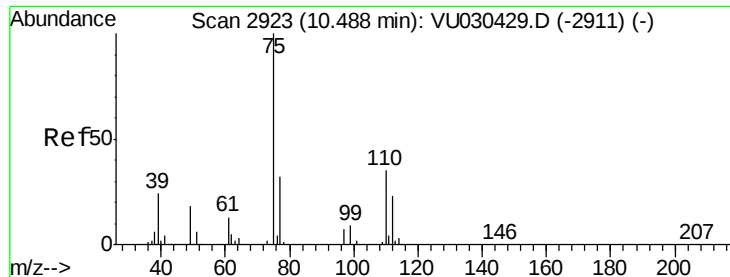
77 64.2 51.4 77.0



Abundance Ion 112.00 (111.70 to 112.70): VU030429.D (-2483) (-)

Ion 114.00 (113.70 to 114.70): VU030429.D (-2483) (-)





#59

1,2,3-Trichloropropane

Concen: 8.697 ug/L

RT: 11.41 min Scan# 3211

Delta R.T. 0.93 min

Lab File: VU030439.D

Acq: 26 Mar 2019 13:11

Instrument :

MSVOA_U

ClientSampleId :

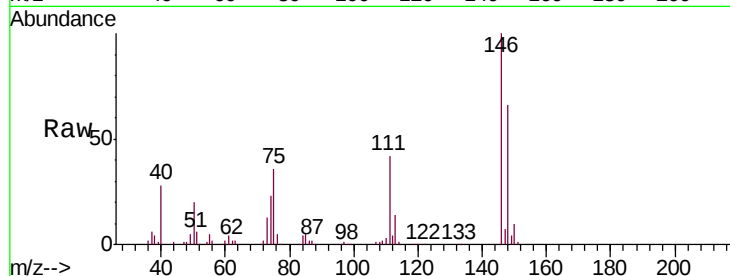
C09E3

Tgt Ion: 75 Resp: 43744

Ion Ratio Lower Upper

75 100

77 0.5 25.4 38.2#



Abundance Ion 75.00 (74.70 to 75.70): VU030439.D (-2911) (-)

Ion 77.00 (76.70 to 77.70): VU030439.D (-2911) (-)

60000

50000

40000

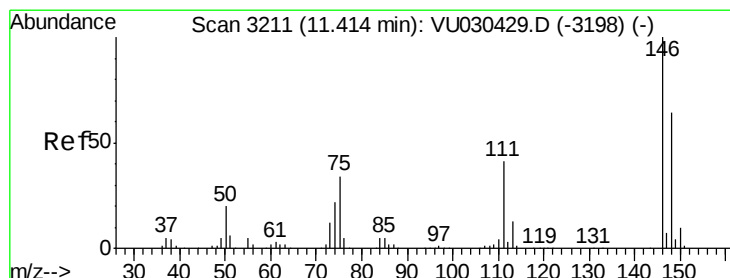
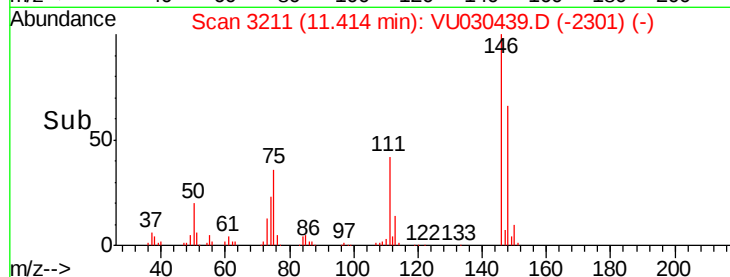
30000

20000

10000

0

Time--> 11.35 11.40 11.45



#62

1,3-Dichlorobenzene

Concen: 20.119 ug/L

RT: 11.41 min Scan# 3211

Delta R.T. -0.00 min

Lab File: VU030439.D

Acq: 26 Mar 2019 13:11

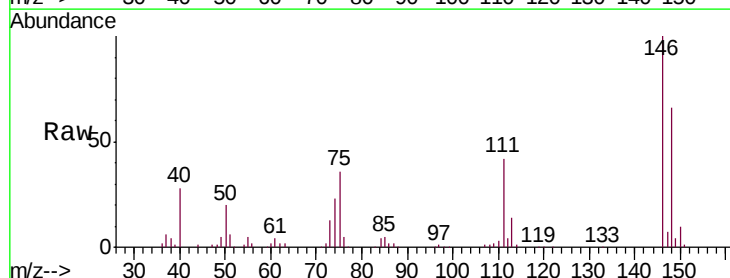
Tgt Ion: 146 Resp: 123976

Ion Ratio Lower Upper

146 100

111 42.4 29.2 54.2

148 66.4 44.4 82.4



Abundance Ion 146.00 (145.70 to 146.70): VU030439.D (-3198) (-)

Ion 111.00 (110.70 to 111.70): VU030439.D (-3198) (-)

Ion 148.00 (147.70 to 148.70): VU030439.D (-3198) (-)

300000

250000

200000

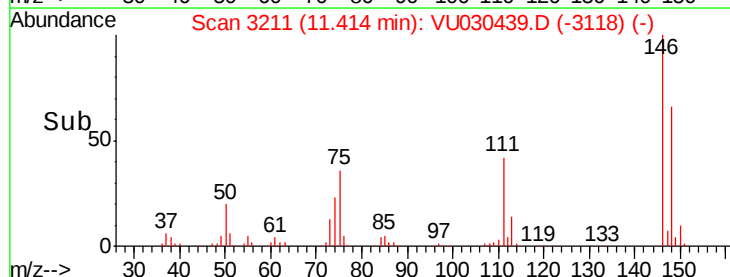
150000

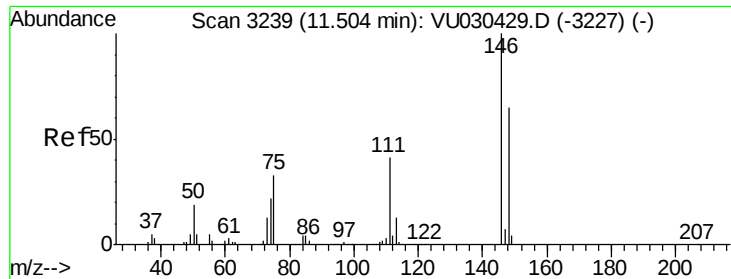
100000

50000

0

Time--> 11.35 11.40 11.45

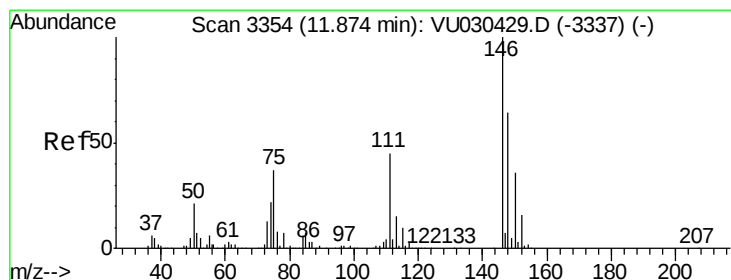
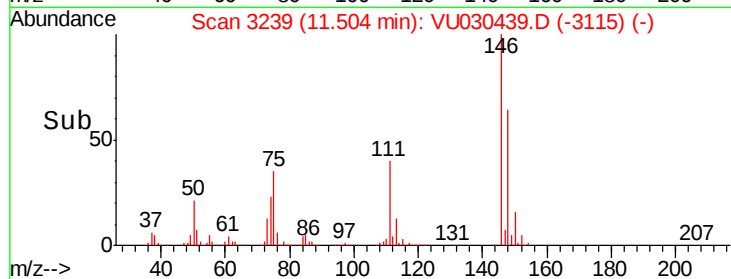
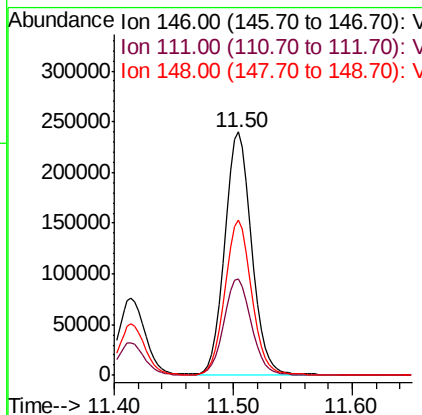
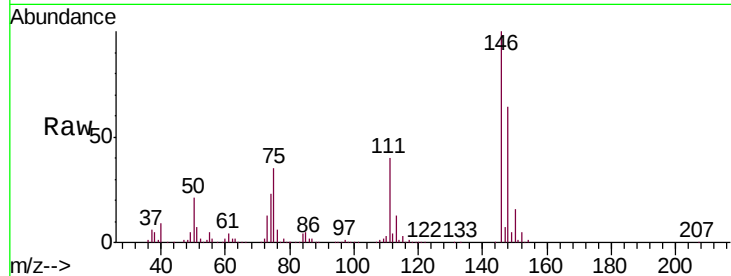




#63
 1,4-Dichlorobenzene
 Concen: 59.045 ug/L
 RT: 11.50 min Scan# 3239
 Delta R.T. -0.00 min
 Lab File: VU030439.D
 Acq: 26 Mar 2019 13:11

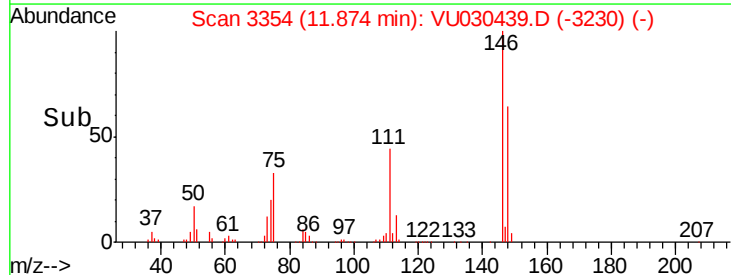
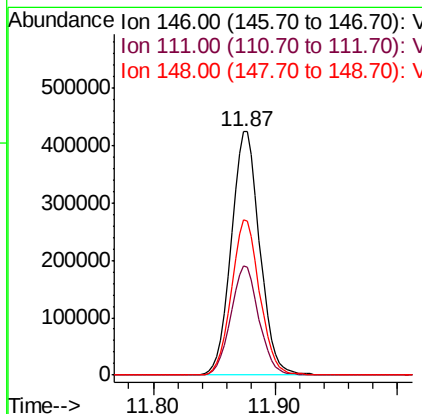
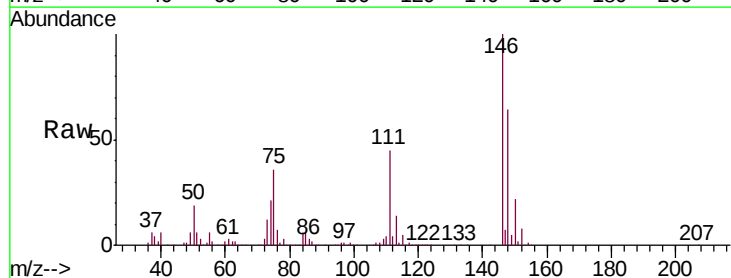
Instrument :
 MSVOA_U
 ClientSampleId :
 C09E3

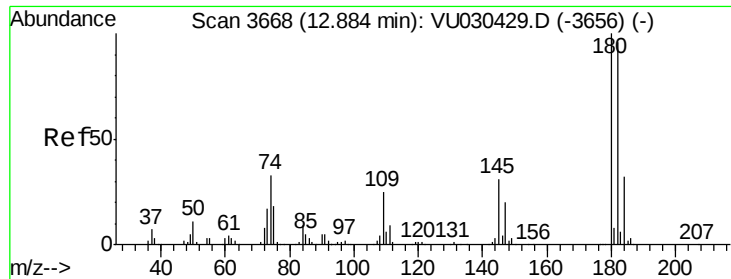
Tgt Ion:146 Resp: 374568
 Ion Ratio Lower Upper
 146 100
 111 39.8 28.7 53.3
 148 64.0 44.3 82.3



#65
 1,2-Dichlorobenzene
 Concen: 110.706 ug/L
 RT: 11.87 min Scan# 3354
 Delta R.T. -0.00 min
 Lab File: VU030439.D
 Acq: 26 Mar 2019 13:11

Tgt Ion:146 Resp: 689792
 Ion Ratio Lower Upper
 146 100
 111 44.6 34.9 52.3
 148 63.9 51.2 76.8

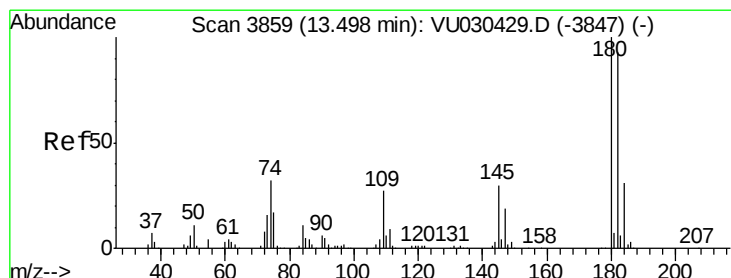
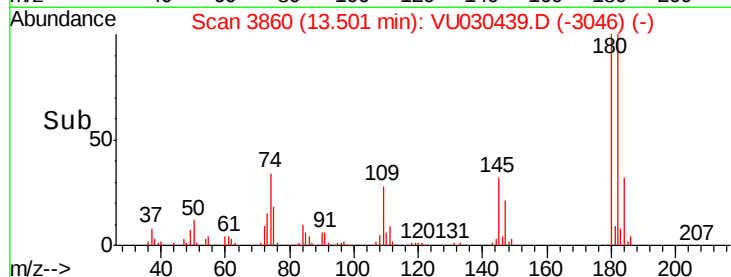
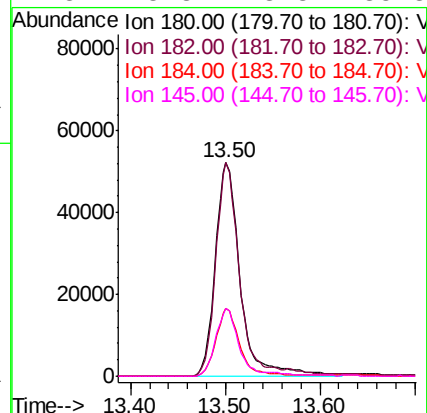
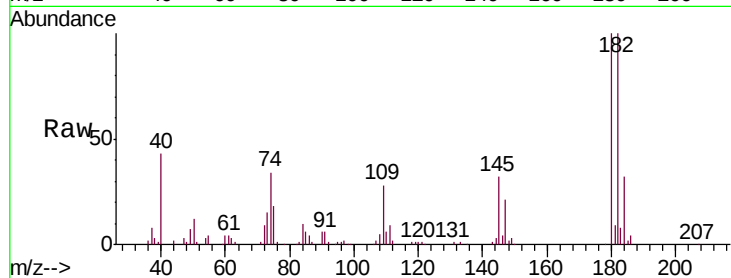




#67
 1,3,5-Trichlorobenzene
 Concen: 20.862 ug/L
 RT: 13.50 min Scan# 3860
 Delta R.T. 0.62 min
 Lab File: VU030439.D
 Acq: 26 Mar 2019 13:11

Instrument :
 MSVOA_U
 ClientSampleId :
 C09E3

Tgt Ion:	180	Resp:	96238
Ion	Ratio	Lower	Upper
180	100		
182	90.5	75.9	113.9
184	29.9	24.1	36.1
145	28.3	23.8	35.8



#68
 1,2,4-trichlorobenzene
 Concen: 24.010 ug/L
 RT: 13.50 min Scan# 3860
 Delta R.T. 0.00 min
 Lab File: VU030439.D
 Acq: 26 Mar 2019 13:11

Tgt Ion:	180	Resp:	96238
Ion	Ratio	Lower	Upper
180	100		
182	90.5	76.1	114.1
145	28.3	24.5	36.7

