

Data File : VU030399.D
Acq On : 25 Mar 2019 05:12
Operator : JC/SP
Sample : K2070-14
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 45 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C09E0

Quant Time: Mar 25 05:55:21 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Mar 25 05:48:44 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	437303	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.10	117	434482	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.50	152	241013	50.00	ug/L	0.02

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	117277	33.32	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	66.64%
7) Chloroethane-d5	1.68	69	104281	37.38	ug/L	0.03
Spiked Amount	50.000	Range	70 - 130	Recovery	=	74.76%
11) 1,1-Dichloroethene-d2	2.27	63	181571	27.20	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	54.40%#
21) 2-Butanone-d5	4.17	46	313313	94.70	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	94.70%
24) Chloroform-d	4.64	84	271003	44.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.38%
26) 1,2-Dichloroethane-d4	5.31	65	180215	45.42	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.84%
32) Benzene-d6	5.34	84	551322	44.25	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.50%
36) 1,2-Dichloropropane-d6	6.33	67	197001	46.21	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.42%
41) Toluene-d8	7.56	98	489455	43.74	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.48%
43) trans-1,3-Dichloropropene-	7.85	79	84169	41.99	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.98%
47) 2-Hexanone-d5	8.31	63	214943	93.05	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	93.05%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	275684	45.19	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	90.38%
64) 1,2-Dichlorobenzene-d4	11.89	152	243557	50.44	ug/L	0.03
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.88%

Target Compounds

						Qvalue
13) Acetone	2.32	43	14543	4.347	ug/L	98
25) Chloroform	4.67	83	86993	13.586	ug/L	96
27) 1,2-Dichloroethane	5.39	62	271730	54.083	ug/L #	75
29) Cyclohexane	4.99	56	13837	2.104	ug/L	97
31) Carbon tetrachloride	5.13	117	77508	17.189	ug/L	99
35) Methylcyclohexane	6.41	83	7840	1.310	ug/L #	76
42) Toluene	7.64	91	7109	0.463	ug/L	91
44) trans-1,3-Dichloropropene	7.85	75	3139	0.591	ug/L #	56
46) Tetrachloroethene	8.23	164	2495	0.982	ug/L	82
59) 1,2,3-Trichloropropane	10.45	75	3493	0.684	ug/L #	1
61) Bromoform	9.96	173	2033	0.634	ug/L #	96
62) 1,3-Dichlorobenzene	11.42	146	6830456	866.614	ug/L	100
63) 1,4-Dichlorobenzene	11.42	146	6830456	841.802	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.63	75	48170	27.145	ug/L #	7
67) 1,3,5-Trichlorobenzene	12.89	180	6391	1.083	ug/L	97
68) 1,2,4-trichlorobenzene	13.51	180	12693940	2476.001	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	3397989	627.670	ug/L	99

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

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Response via : Initial Calibration

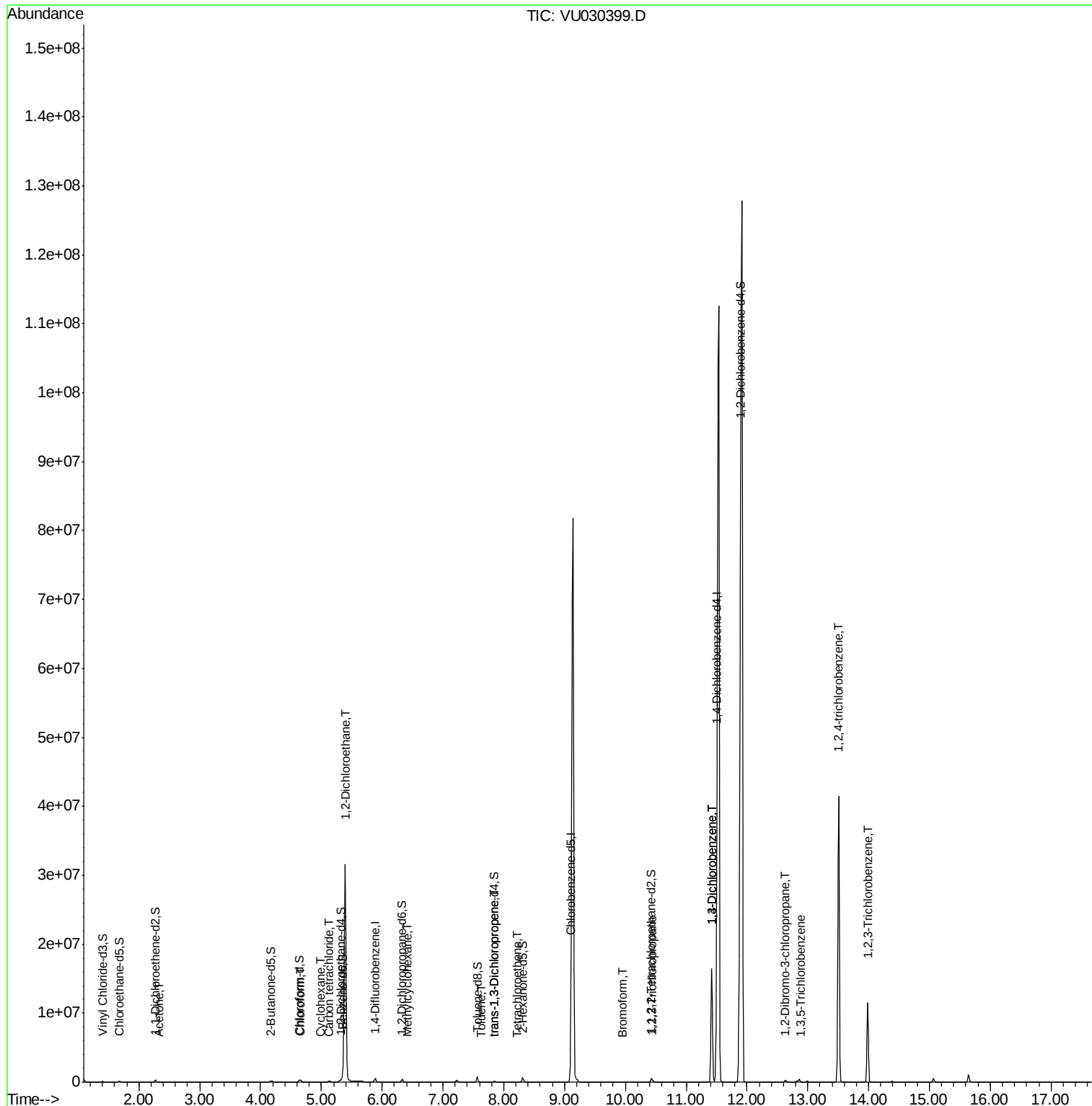
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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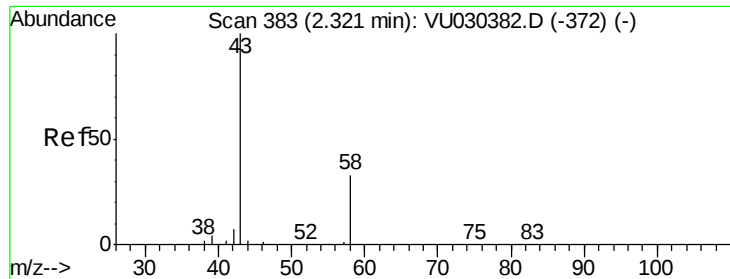
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 4.347 ug/L

RT: 2.32 min Scan# 384

Delta R.T. 0.00 min

Lab File: VU030399.D

Acq: 25 Mar 2019 05:12

Instrument :

MSVOA_U

ClientSampleId :

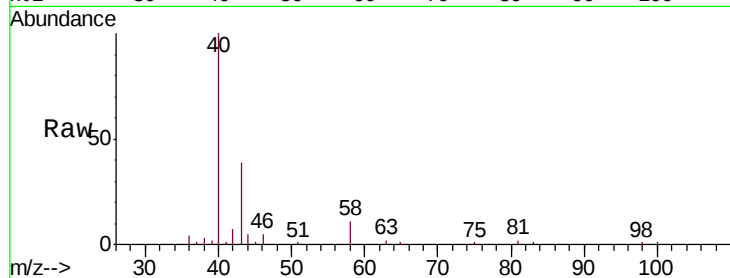
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Tgt Ion: 43 Resp: 14543

Ion Ratio Lower Upper

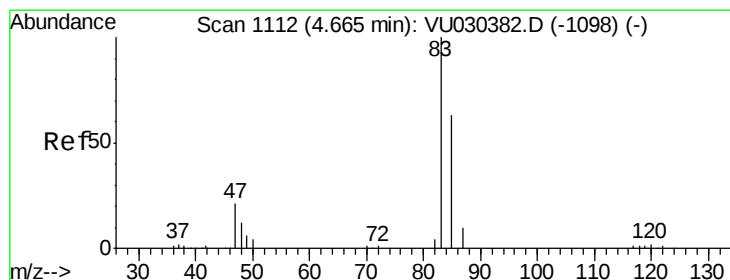
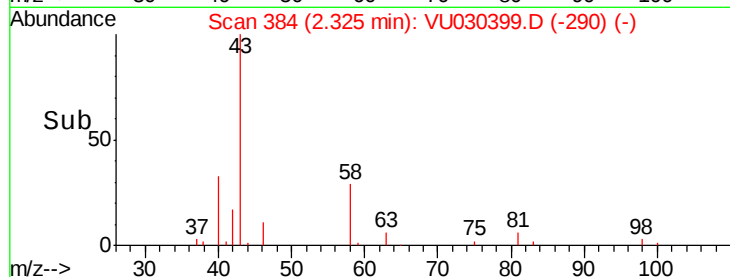
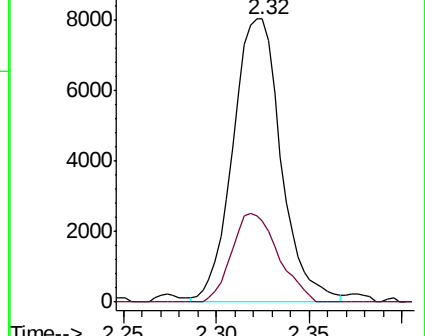
43 100

58 30.2 0.0 62.8



Abundance Ion 43.00 (42.70 to 43.70): VU030382.D (-372) (-)

Ion 58.00 (57.70 to 58.70): VU030382.D (-372) (-)



#25

Chloroform

Concen: 13.586 ug/L

RT: 4.67 min Scan# 1113

Delta R.T. 0.00 min

Lab File: VU030399.D

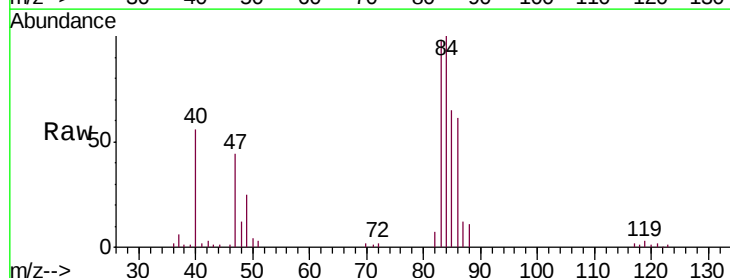
Acq: 25 Mar 2019 05:12

Tgt Ion: 83 Resp: 86993

Ion Ratio Lower Upper

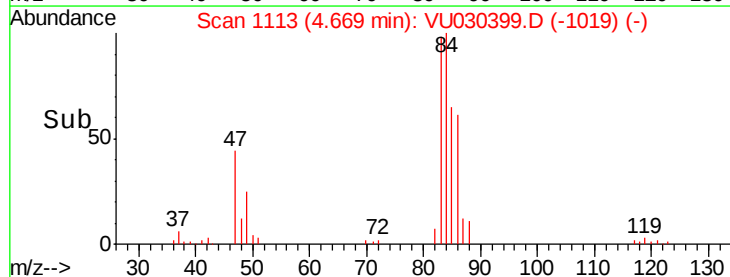
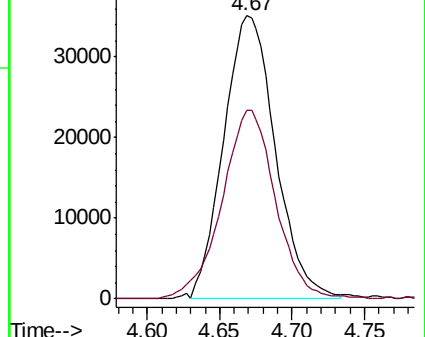
83 100

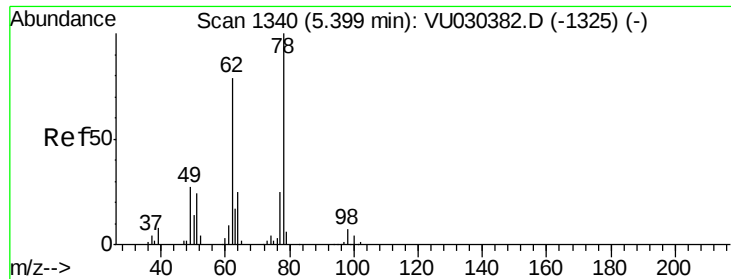
85 66.6 44.4 82.4



Abundance Ion 83.00 (82.70 to 83.70): VU030382.D (-1098) (-)

Ion 85.00 (84.70 to 85.70): VU030382.D (-1098) (-)

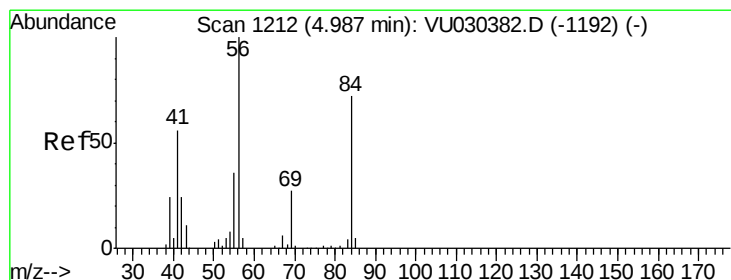
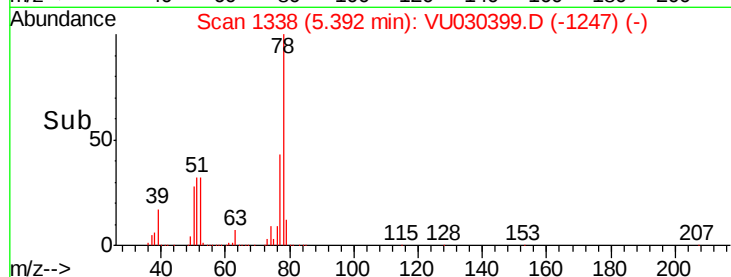
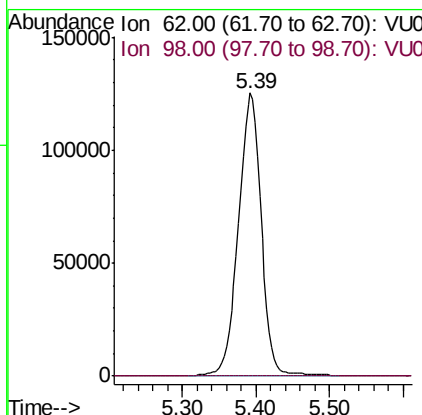
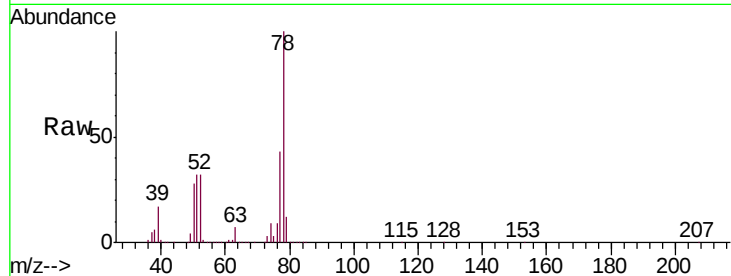




#27
 1,2-Dichloroethane
 Concen: 54.083 ug/L
 RT: 5.39 min Scan# 1338
 Delta R.T. -0.01 min
 Lab File: VU030399.D
 Acq: 25 Mar 2019 05:12

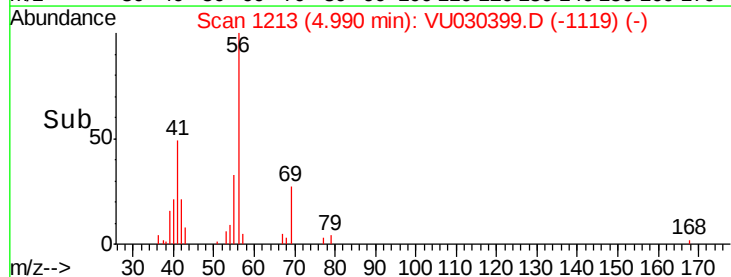
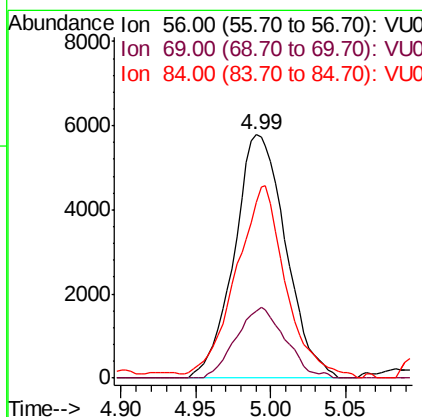
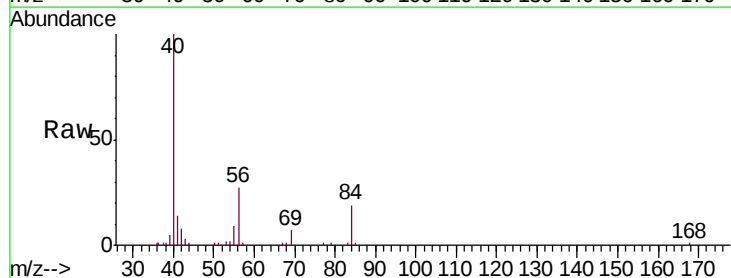
Instrument :
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 C09E0

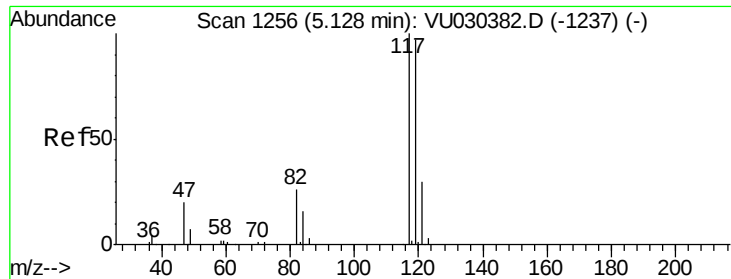
Tgt Ion: 62 Resp: 271730
 Ion Ratio Lower Upper
 62 100
 98 0.0 7.2 10.8#



#29
 Cyclohexane
 Concen: 2.104 ug/L
 RT: 4.99 min Scan# 1213
 Delta R.T. 0.00 min
 Lab File: VU030399.D
 Acq: 25 Mar 2019 05:12

Tgt Ion: 56 Resp: 13837
 Ion Ratio Lower Upper
 56 100
 69 27.5 22.9 34.3
 84 77.0 58.9 88.3

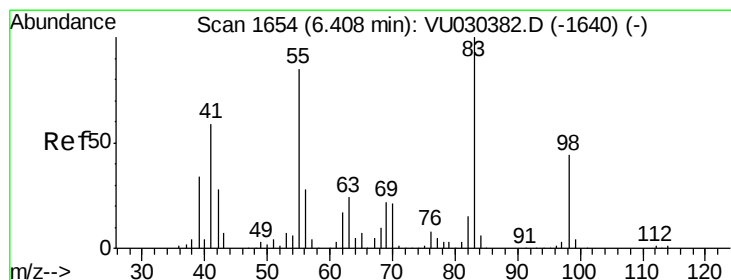
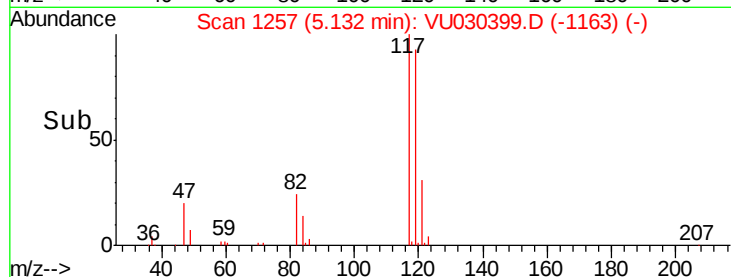
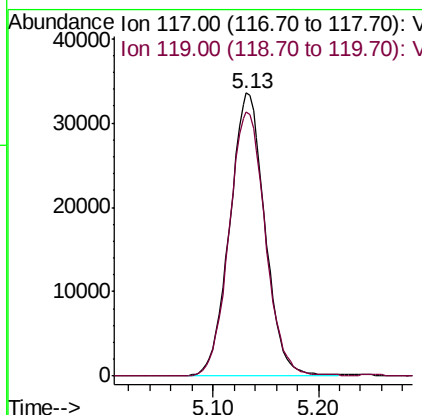
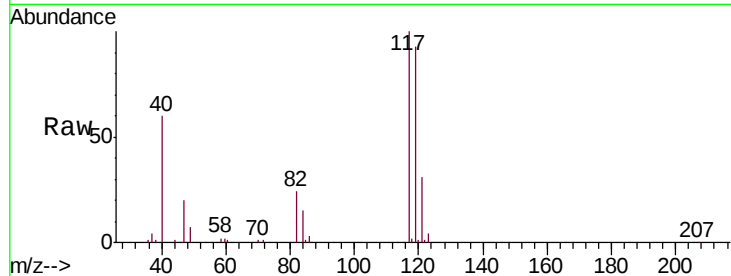




#31
Carbon tetrachloride
Concen: 17.189 ug/L
RT: 5.13 min Scan# 1257
Delta R.T. 0.00 min
Lab File: VU030399.D
Acq: 25 Mar 2019 05:12

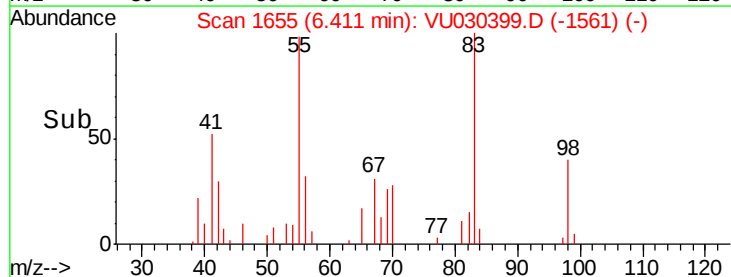
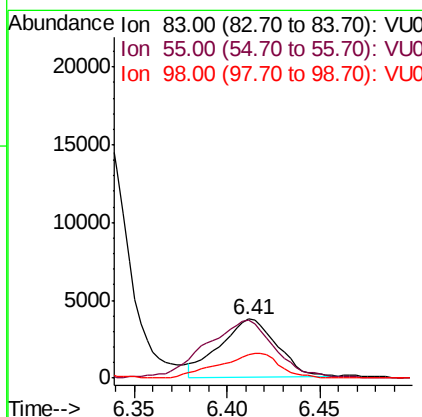
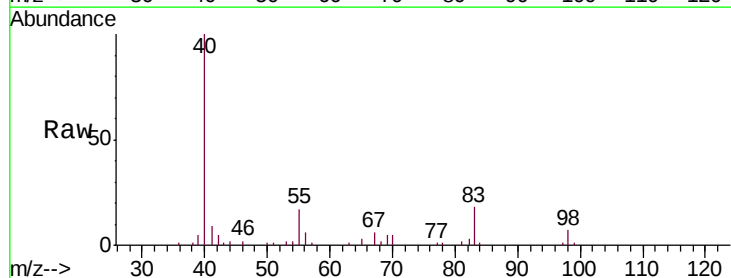
Instrument :
MSVOA_U
ClientSampleId :
C09E0

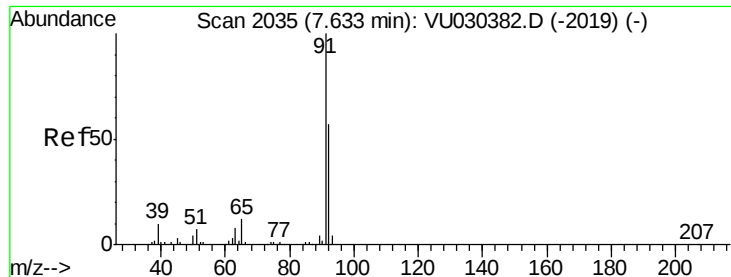
Tgt Ion:117 Resp: 77508
Ion Ratio Lower Upper
117 100
119 95.7 75.4 113.2



#35
Methylcyclohexane
Concen: 1.310 ug/L
RT: 6.41 min Scan# 1655
Delta R.T. 0.00 min
Lab File: VU030399.D
Acq: 25 Mar 2019 05:12

Tgt Ion: 83 Resp: 7840
Ion Ratio Lower Upper
83 100
55 122.5 71.4 107.0#
98 45.9 36.0 54.0





#42

Toluene

Concen: 0.463 ug/L

RT: 7.64 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VU030399.D

Acq: 25 Mar 2019 05:12

Instrument :

MSVOA_U

ClientSampleId :

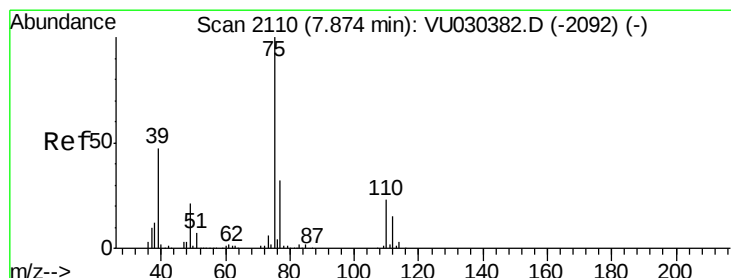
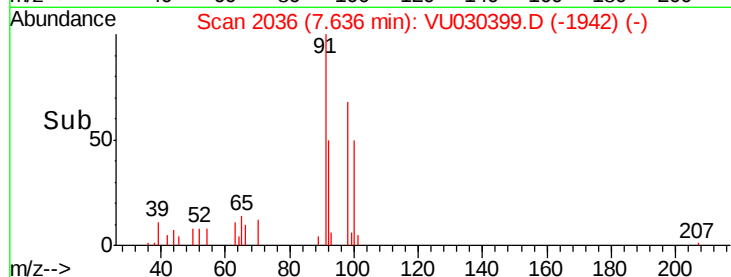
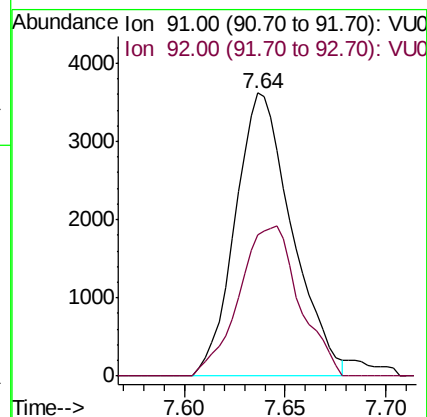
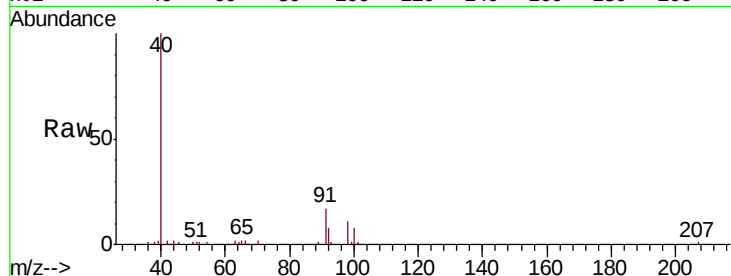
C09E0

Tgt Ion: 91 Resp: 7109

Ion Ratio Lower Upper

91 100

92 50.0 39.7 73.7



#44

trans-1,3-Dichloropropene

Concen: 0.591 ug/L

RT: 7.85 min Scan# 2102

Delta R.T. -0.03 min

Lab File: VU030399.D

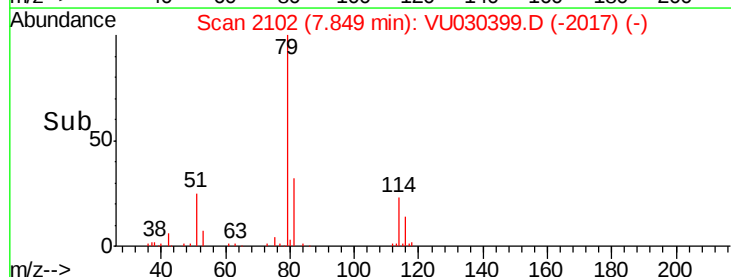
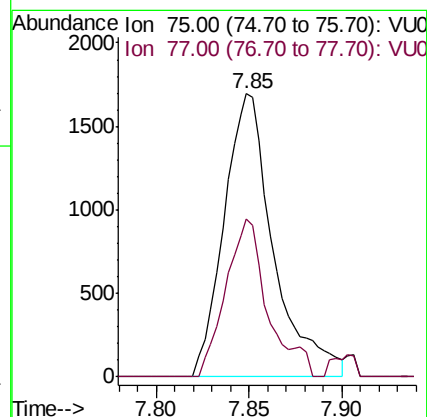
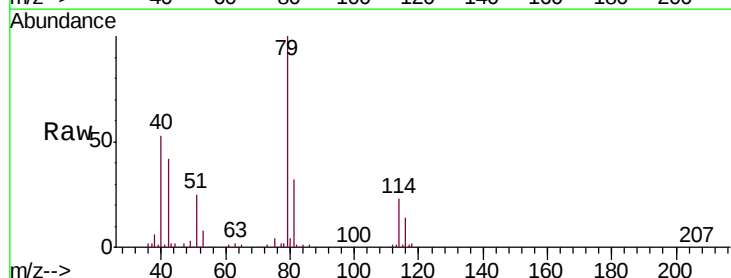
Acq: 25 Mar 2019 05:12

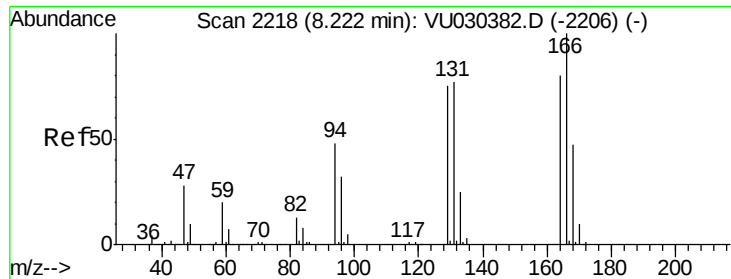
Tgt Ion: 75 Resp: 3139

Ion Ratio Lower Upper

75 100

77 55.8 22.0 40.8#

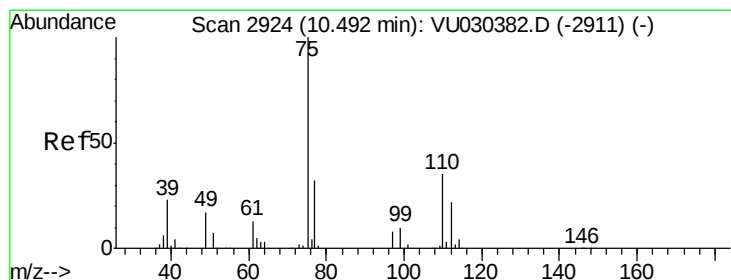
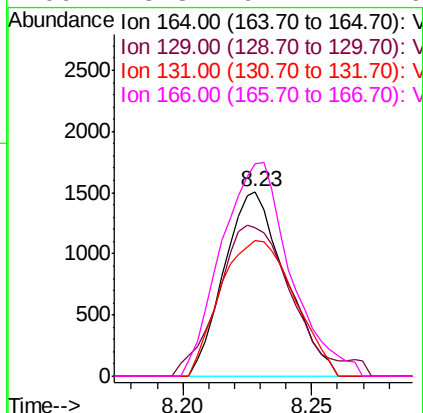
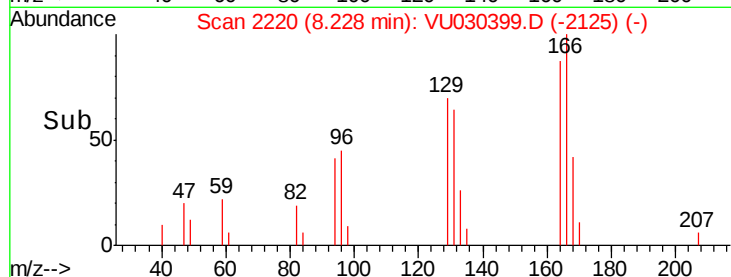
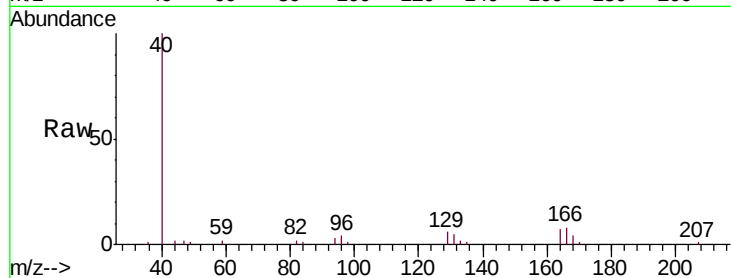




#46
Tetrachloroethene
Concen: 0.982 ug/L
RT: 8.23 min Scan# 2220
Delta R.T. 0.01 min
Lab File: VU030399.D
Acq: 25 Mar 2019 05:12

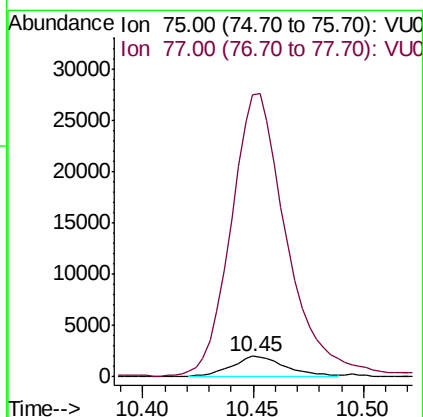
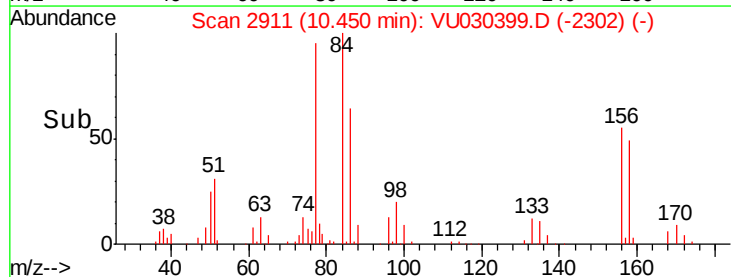
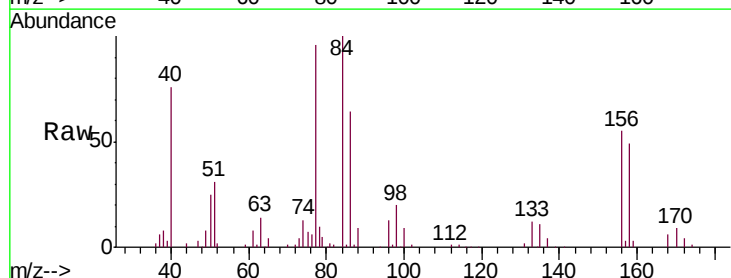
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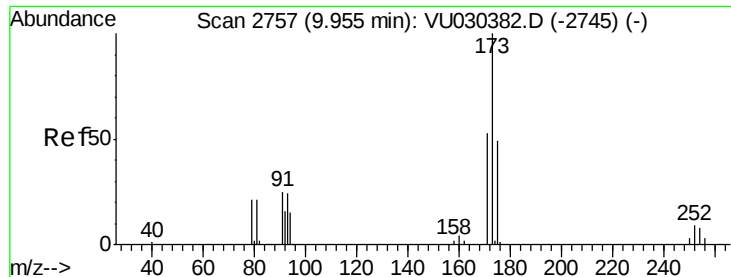
Tgt Ion:164 Resp: 2495
Ion Ratio Lower Upper
164 100
129 80.1 68.1 126.5
131 73.5 67.7 125.7
166 115.3 92.4 171.6



#59
1,2,3-Trichloropropane
Concen: 0.684 ug/L
RT: 10.45 min Scan# 2911
Delta R.T. -0.04 min
Lab File: VU030399.D
Acq: 25 Mar 2019 05:12

Tgt Ion: 75 Resp: 3493
Ion Ratio Lower Upper
75 100
77 1405.0 25.4 38.2#

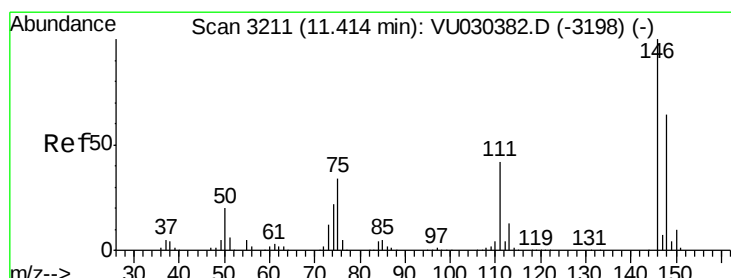
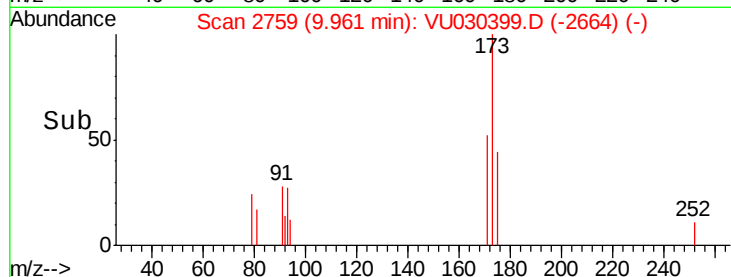
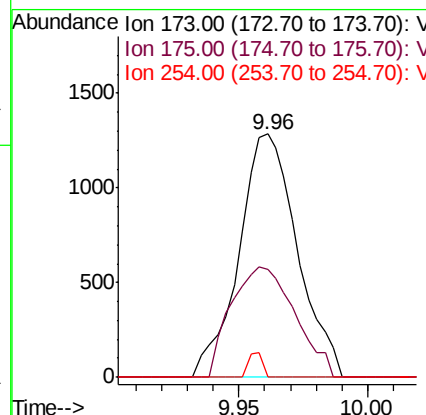
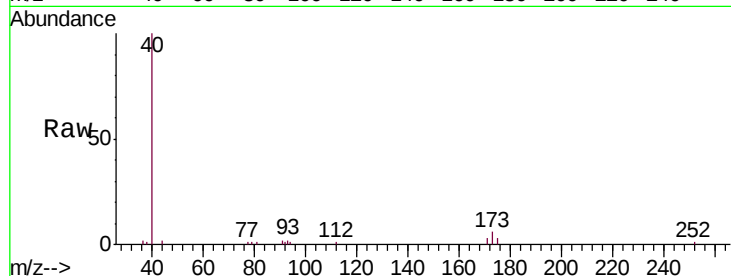




#61
Bromoform
Concen: 0.634 ug/L
RT: 9.96 min Scan# 2759
Delta R.T. 0.01 min
Lab File: VU030399.D
Acq: 25 Mar 2019 05:12

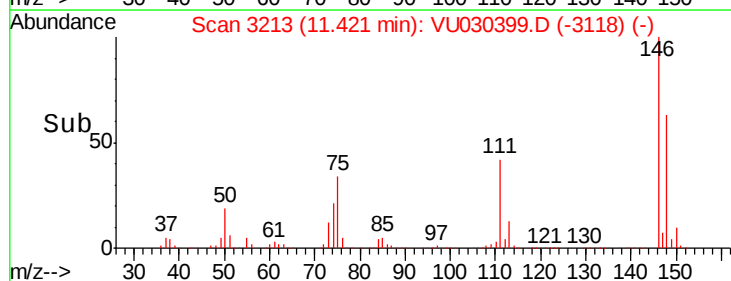
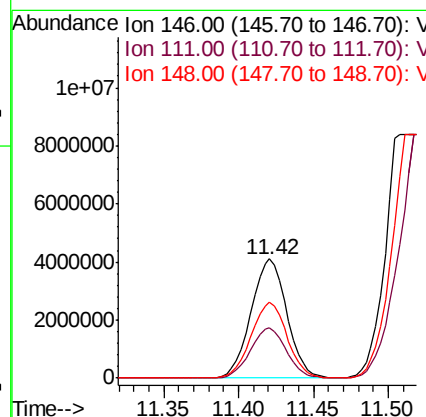
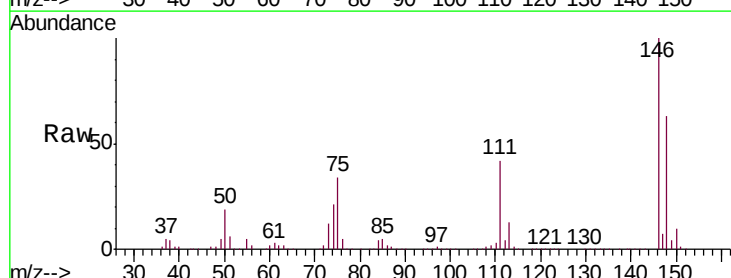
Instrument :
MSVOA_U
ClientSampleId :
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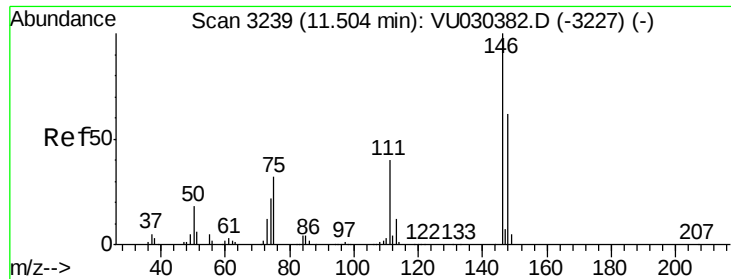
Tgt Ion:173 Resp: 2033
Ion Ratio Lower Upper
173 100
175 49.6 38.5 57.7
254 2.4 6.8 10.2#



#62
1,3-Dichlorobenzene
Concen: 866.614 ug/L
RT: 11.42 min Scan# 3213
Delta R.T. 0.01 min
Lab File: VU030399.D
Acq: 25 Mar 2019 05:12

Tgt Ion:146 Resp: 6830456
Ion Ratio Lower Upper
146 100
111 42.0 29.2 54.2
148 63.4 44.4 82.4

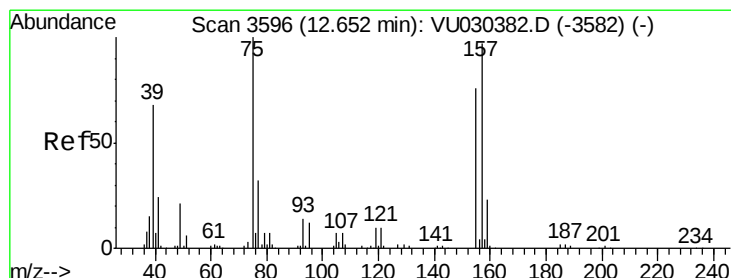
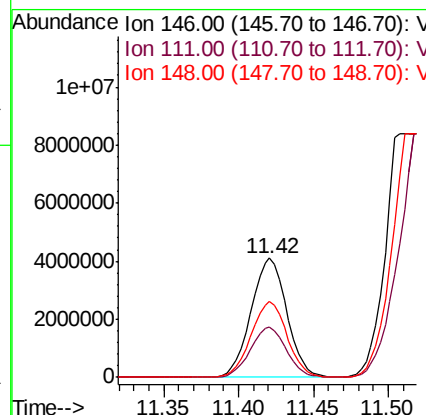
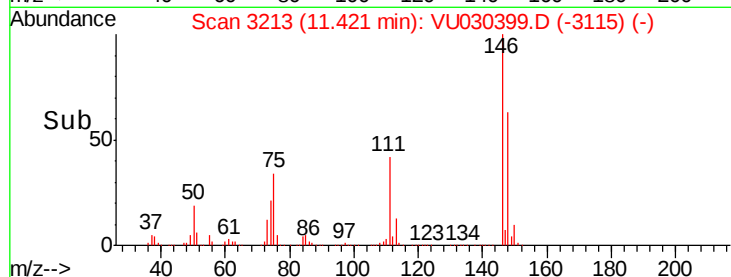
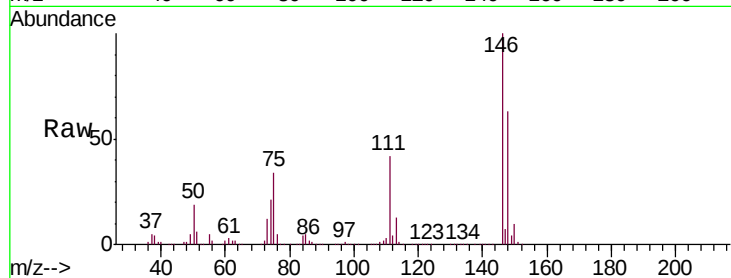




#63
 1,4-Dichlorobenzene
 Concen: 841.802 ug/L
 RT: 11.42 min Scan# 3213
 Delta R.T. -0.08 min
 Lab File: VU030399.D
 Acq: 25 Mar 2019 05:12

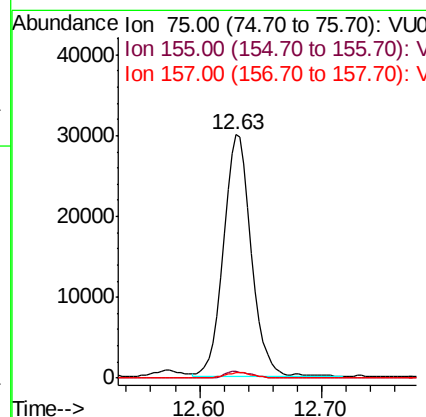
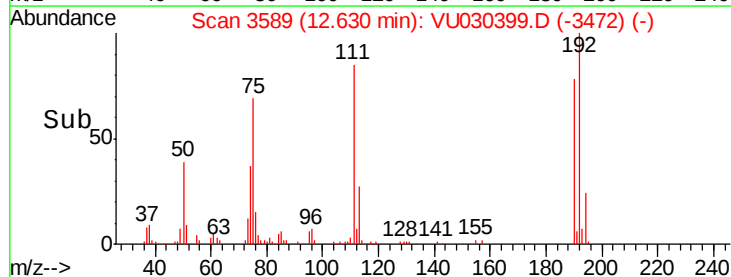
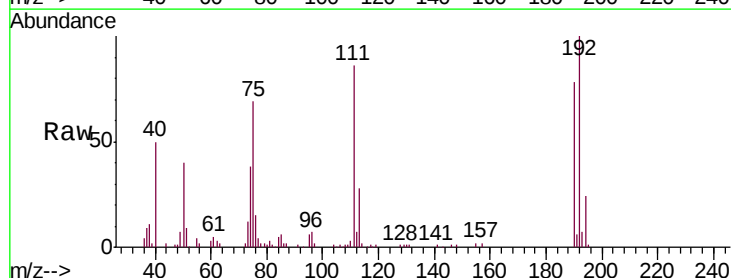
Instrument :
 MSVOA_U
 ClientSampled :
 C09E0

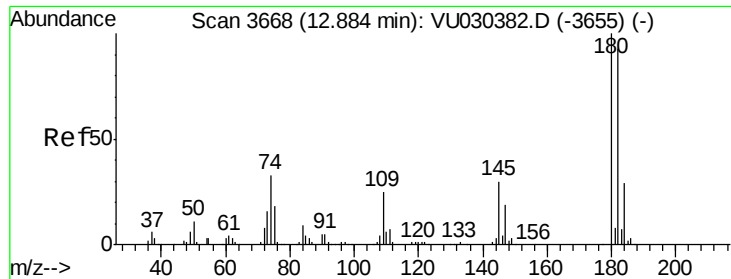
Tgt Ion:146 Resp: 6830456
 Ion Ratio Lower Upper
 146 100
 111 42.0 28.7 53.3
 148 63.4 44.3 82.3



#66
 1,2-Dibromo-3-chloropropane
 Concen: 27.145 ug/L
 RT: 12.63 min Scan# 3589
 Delta R.T. -0.02 min
 Lab File: VU030399.D
 Acq: 25 Mar 2019 05:12

Tgt Ion: 75 Resp: 48170
 Ion Ratio Lower Upper
 75 100
 155 2.9 61.8 92.6#
 157 2.2 80.2 120.4#

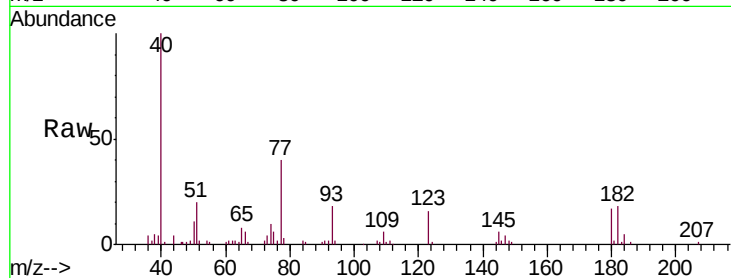




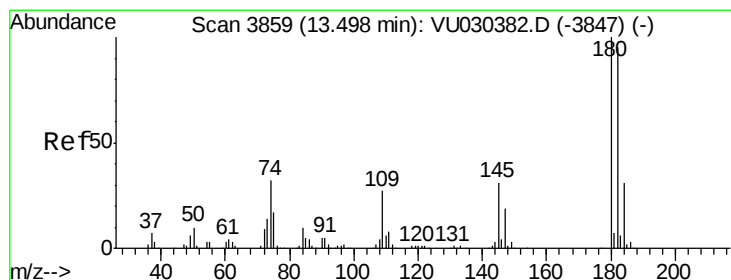
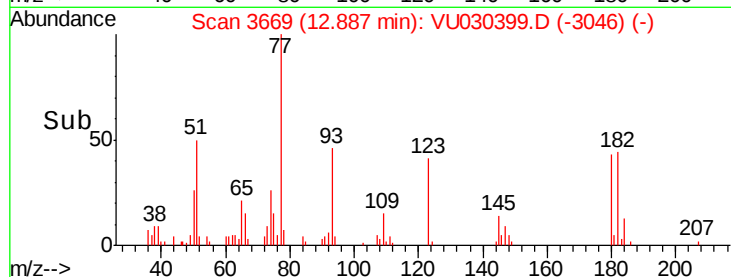
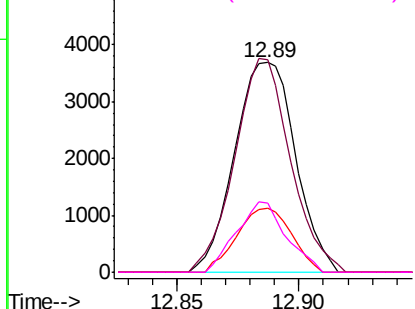
#67
 1,3,5-Trichlorobenzene
 Concen: 1.083 ug/L
 RT: 12.89 min Scan# 3669
 Delta R.T. 0.00 min
 Lab File: VU030399.D
 Acq: 25 Mar 2019 05:12

Instrument :
 MSVOA_U
 ClientSampleId :
 C09E0

Tgt Ion:180 Resp: 6391
 Ion Ratio Lower Upper
 180 100
 182 93.0 75.9 113.9
 184 27.3 24.1 36.1
 145 27.3 23.8 35.8

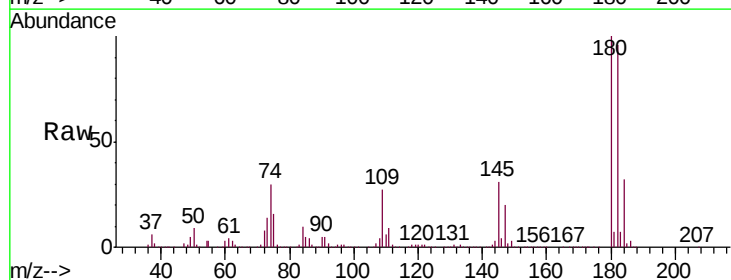


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

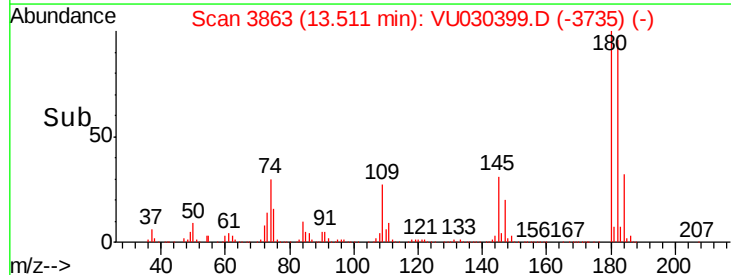
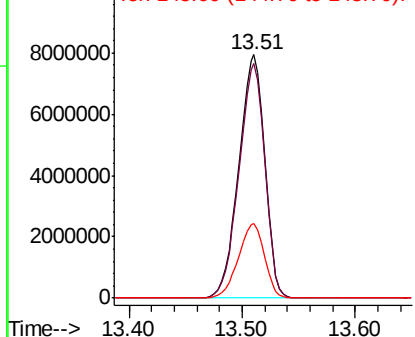


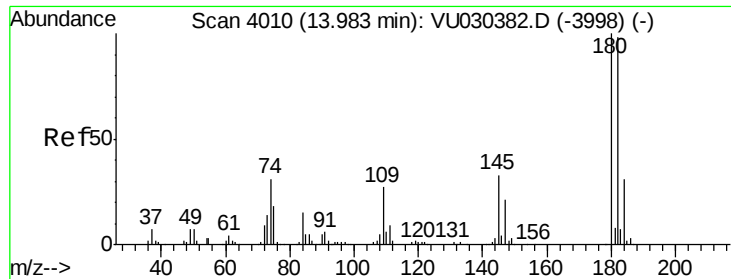
#68
 1,2,4-trichlorobenzene
 Concen: 2476.001 ug/L
 RT: 13.51 min Scan# 3863
 Delta R.T. 0.01 min
 Lab File: VU030399.D
 Acq: 25 Mar 2019 05:12

Tgt Ion:180 Resp:12693940
 Ion Ratio Lower Upper
 180 100
 182 96.2 76.1 114.1
 145 30.7 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

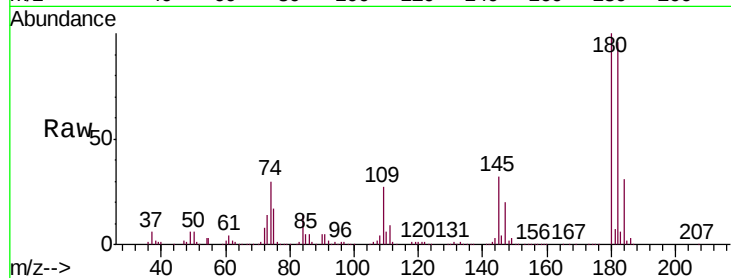




#70
 1,2,3-Trichlorobenzene
 Concen: 627.670 ug/L
 RT: 13.99 min Scan# 4011
 Delta R.T. 0.00 min
 Lab File: VU030399.D
 Acq: 25 Mar 2019 05:12

Instrument :
 MSVOA_U
 ClientSampleId :
 C09E0

Tgt Ion:180 Resp: 3397989
 Ion Ratio Lower Upper
 180 100
 182 95.8 77.4 116.2
 145 32.3 25.9 38.9



Abundance Ion 180.00 (179.70 to 180.70): V
 3000000
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

