

Data File : VU029050.D
Acq On : 07 Jan 2019 11:15
Operator : MD/SY
Sample : K1048-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0945

Quant Time: Jan 08 01:40:41 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Jan 08 01:37:07 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	188327	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	182426	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	82034	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	74575	49.39	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	98.78%
7) Chloroethane-d5	1.67	69	58559	50.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	100.44%
11) 1,1-Dichloroethene-d2	2.27	63	93248	36.73	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	73.46%
21) 2-Butanone-d5	4.17	46	103422	97.77	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	97.77%
24) Chloroform-d	4.65	84	114857	48.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.76%
26) 1,2-Dichloroethane-d4	5.31	65	71829	49.08	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.16%
32) Benzene-d6	5.34	84	257179	49.90	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.80%
36) 1,2-Dichloropropane-d6	6.33	67	85910	49.07	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.14%
41) Toluene-d8	7.56	98	229244	49.08	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.16%
43) trans-1,3-Dichloropropene-	7.85	79	37485	47.78	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.56%
47) 2-Hexanone-d5	8.31	63	74782	89.93	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	89.93%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	118368	48.73	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.46%
64) 1,2-Dichlorobenzene-d4	11.48	152	76327	46.00	ug/L	-0.38
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.00%

Target Compounds

						Qvalue
8) Chloroethane	1.40	64	1057	1.004	ug/L #	1
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	917	0.751	ug/L #	20
12) 1,1-Dichloroethene	2.27	96	696	0.576	ug/L #	1
13) Acetone	2.32	43	16144	14.976	ug/L	100
33) Benzene	5.39	78	6371	1.097	ug/L	100
37) 1,2-Dichloropropane	6.33	63	8066	4.968	ug/L #	90
39) cis-1,3-Dichloropropene	7.22	75	1811	0.782	ug/L #	55
44) trans-1,3-Dichloropropene	7.85	75	1379	0.668	ug/L	90
51) Chlorobenzene	9.12	112	110705	29.836	ug/L	99
59) 1,2,3-Trichloropropane	11.42	75	4040	2.085	ug/L #	43
62) 1,3-Dichlorobenzene	11.42	146	15587	5.981	ug/L	97
63) 1,4-Dichlorobenzene	11.50	146	98643	36.741	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	636992	234.326	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.86	75	1006	2.145	ug/L #	1
67) 1,3,5-Trichlorobenzene	13.50	180	103426	53.829	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	103426	64.281	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	76350	44.007	ug/L	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU010719\
Quantitation Report (Not Reviewed)

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

Data File : VU029050.D

Acq On : 07 Jan 2019 11:15

Operator : MD/SY

Sample : K1048-01

Misc : 5.0mL/MSVOA U/WATER

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ALS Vial      : 6      Sample Multiplier: 1
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Instrument :
MSVOA_U
ClientSampleId :
C0945

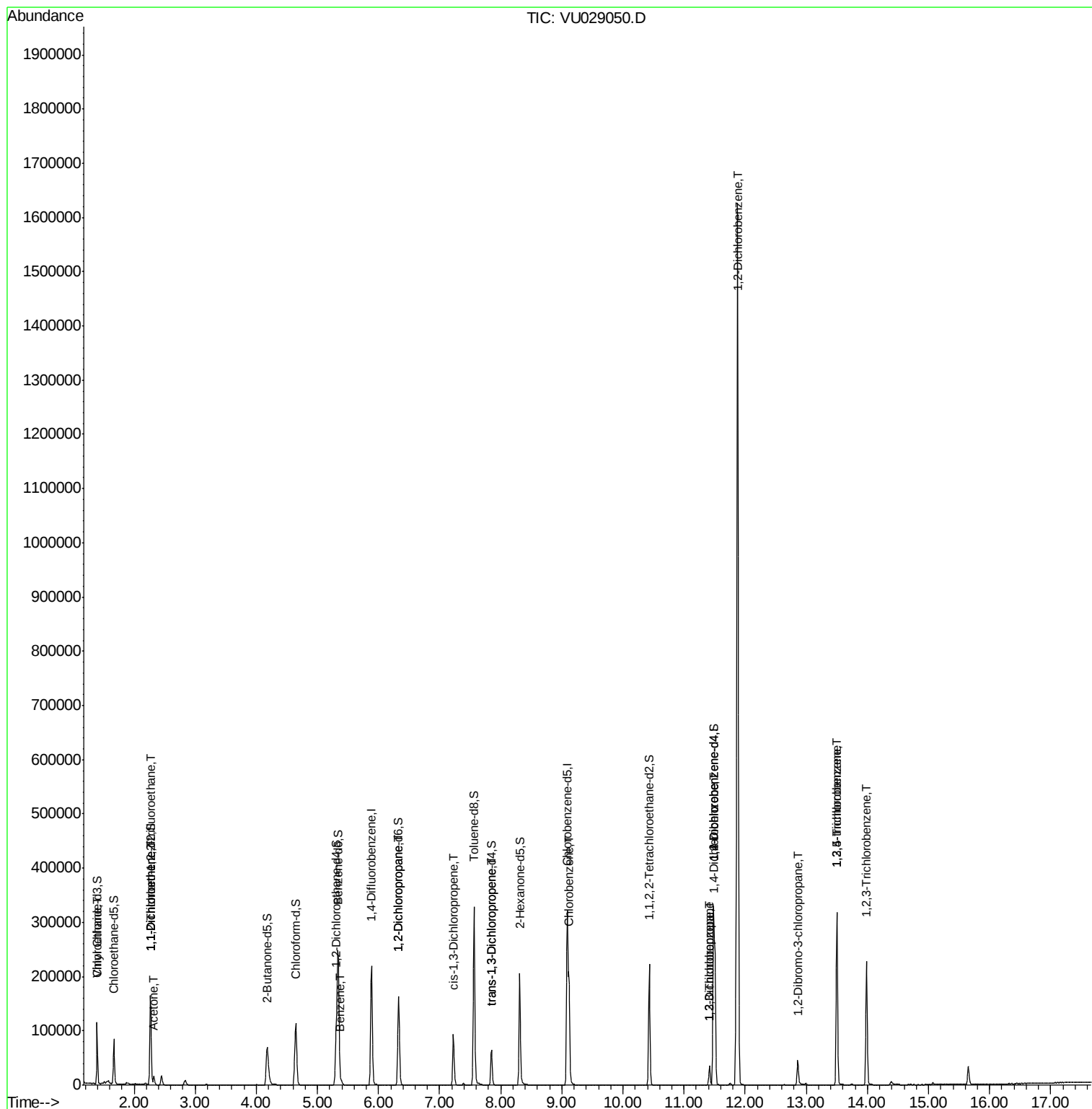
Quant Time: Jan 08 01:40:41 2019

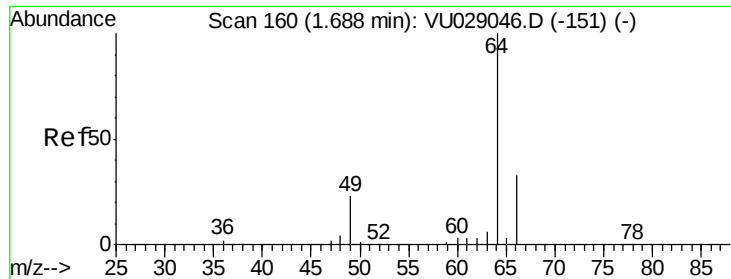
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Quant Title : VOC Analysis

QLast Update : Tue Jan 08 01:37:07 2019

Response via : Initial Calibration

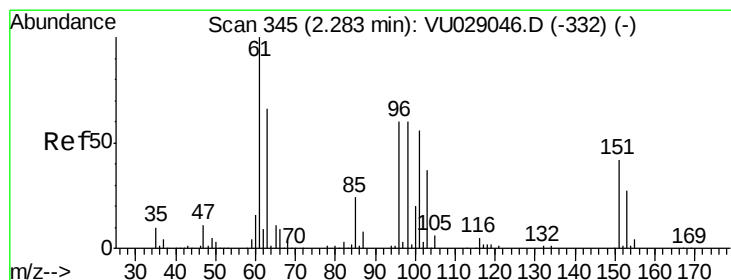
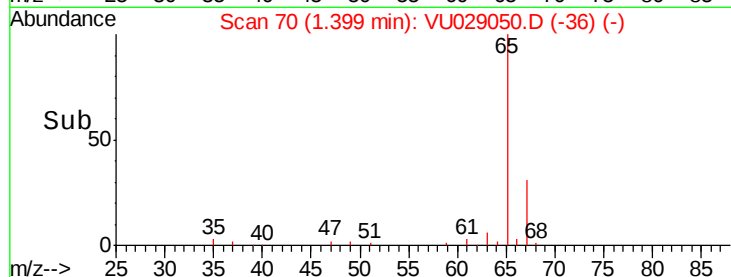
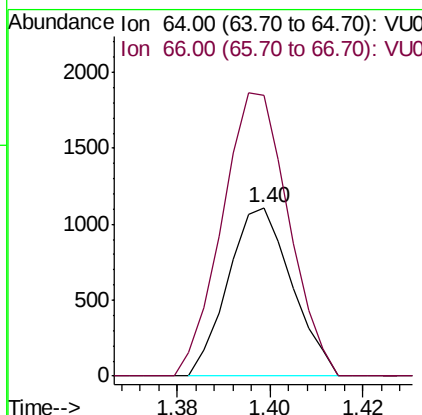
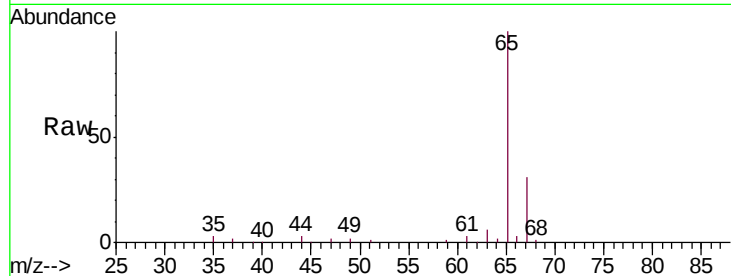




#8
 Chloroethane
 Concen: 1.004 ug/L
 RT: 1.40 min Scan# 70
 Delta R.T. -0.29 min
 Lab File: VU029050.D
 Acq: 07 Jan 2019 11:15

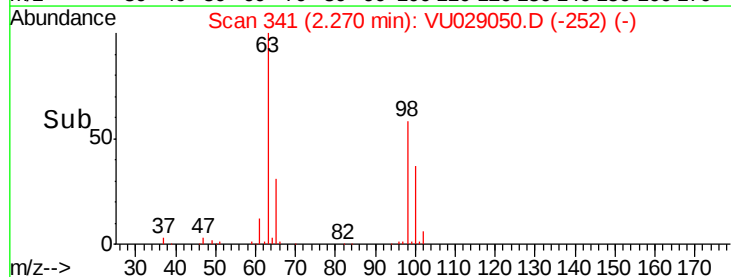
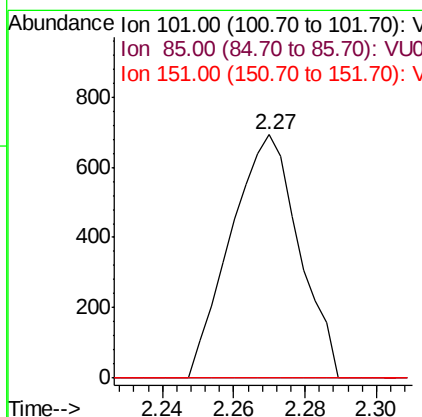
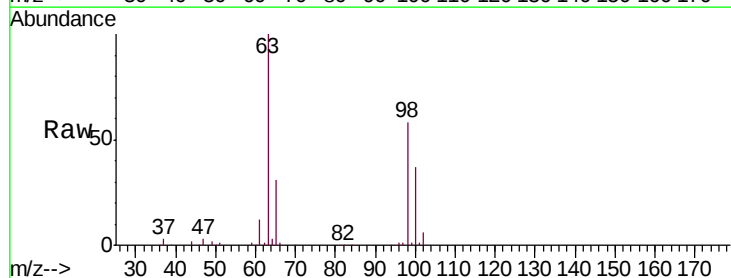
Instrument :
 MSVOA_U
 ClientSampleId :
 C0945

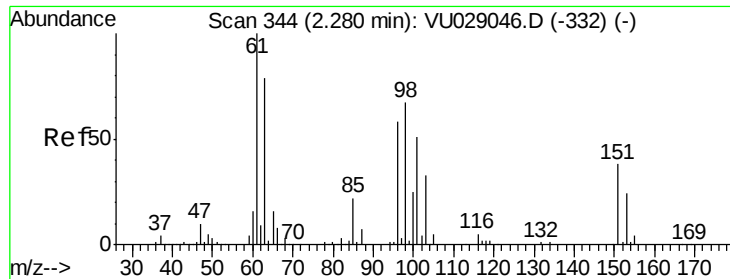
Tgt Ion: 64 Resp: 1057
 Ion Ratio Lower Upper
 64 100
 66 166.7 21.5 39.9#



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.751 ug/L
 RT: 2.27 min Scan# 341
 Delta R.T. -0.01 min
 Lab File: VU029050.D
 Acq: 07 Jan 2019 11:15

Tgt Ion: 101 Resp: 917
 Ion Ratio Lower Upper
 101 100
 85 0.0 33.8 50.6#
 151 0.0 59.4 89.0#





#12

1,1-Dichloroethene

Concen: 0.576 ug/L

RT: 2.27 min Scan# 341

Delta R.T. -0.01 min

Lab File: VU029050.D

Acq: 07 Jan 2019 11:15

Instrument :

MSVOA_U

ClientSampleId :

C0945

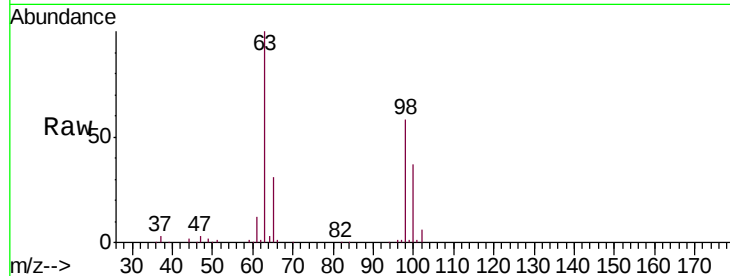
Tgt Ion: 96 Resp: 696

Ion Ratio Lower Upper

96 100

61 1420.4 119.3 221.5#

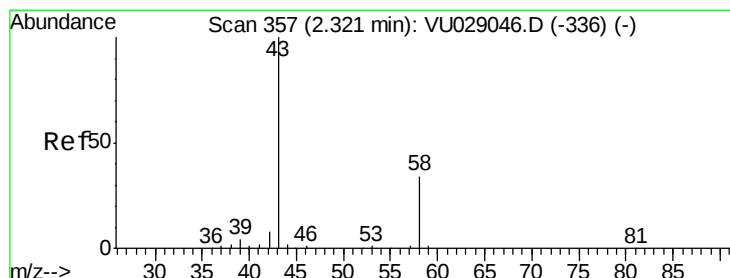
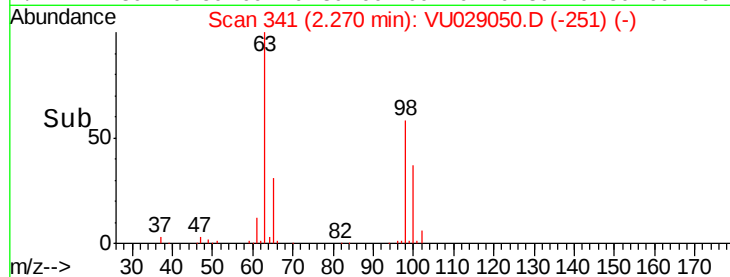
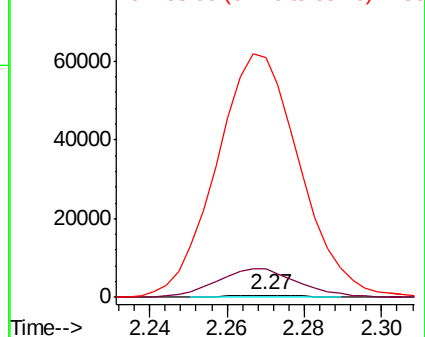
63 12175.6 107.4 199.6#



Abundance Ion 96.00 (95.70 to 96.70): VU029050.D (-251) (-)

Ion 61.00 (60.70 to 61.70): VU029050.D (-251) (-)

Ion 63.00 (62.70 to 63.70): VU029050.D (-251) (-)



#13

Acetone

Concen: 14.976 ug/L

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU029050.D

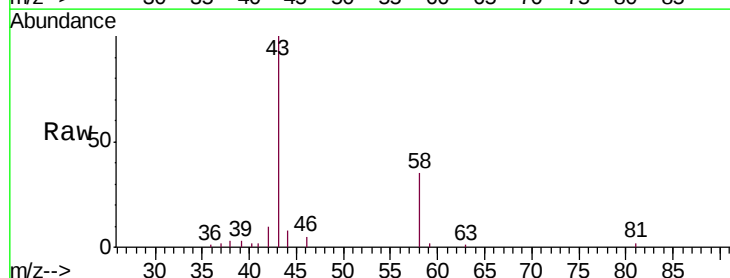
Acq: 07 Jan 2019 11:15

Tgt Ion: 43 Resp: 16144

Ion Ratio Lower Upper

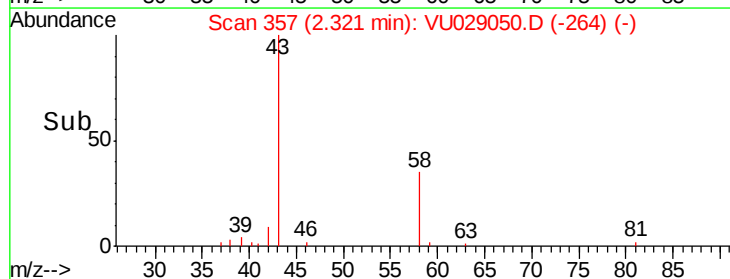
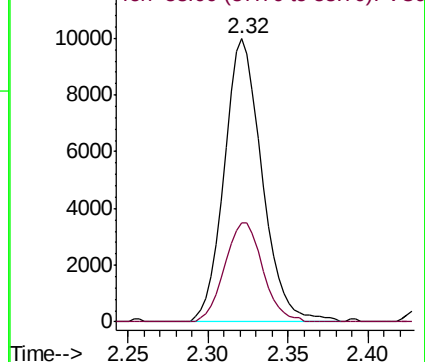
43 100

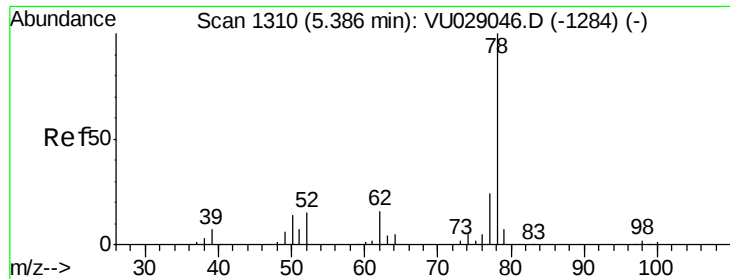
58 35.2 0.0 70.2



Abundance Ion 43.00 (42.70 to 43.70): VU029050.D (-264) (-)

Ion 58.00 (57.70 to 58.70): VU029050.D (-264) (-)





#33

Benzene

Concen: 1.097 ug/L

RT: 5.39 min Scan# 1310

Delta R.T. -0.00 min

Lab File: VU029050.D

Acq: 07 Jan 2019 11:15

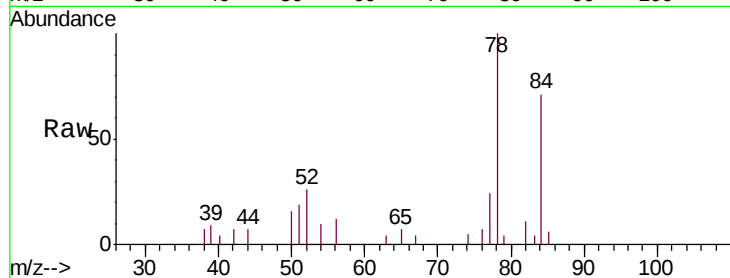
Instrument :

MSVOA_U

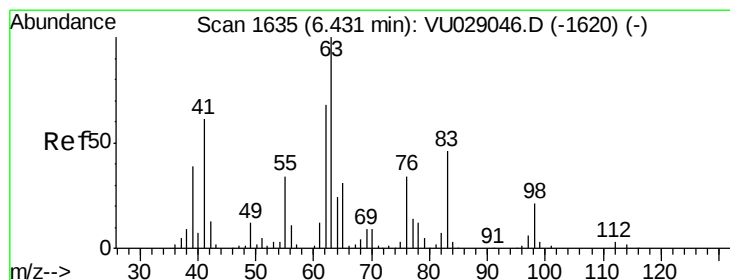
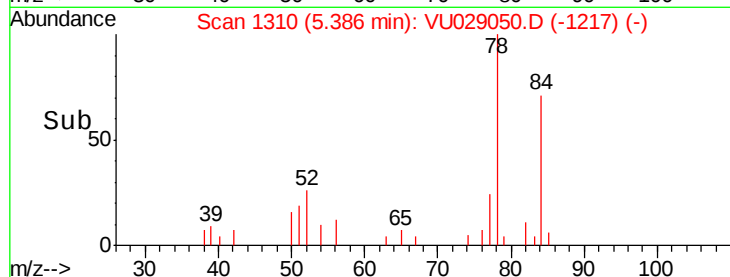
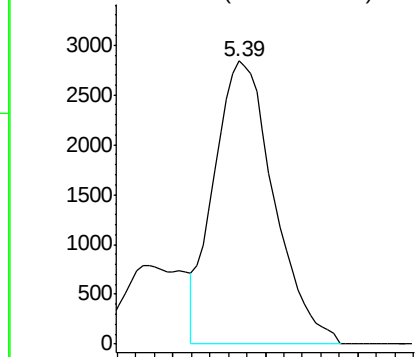
ClientSampleId :

C0945

Tgt Ion: 78 Resp: 6371



Abundance Ion 78.00 (77.70 to 78.70): VU0



#37

1,2-Dichloropropane

Concen: 4.968 ug/L

RT: 6.33 min Scan# 1603

Delta R.T. -0.10 min

Lab File: VU029050.D

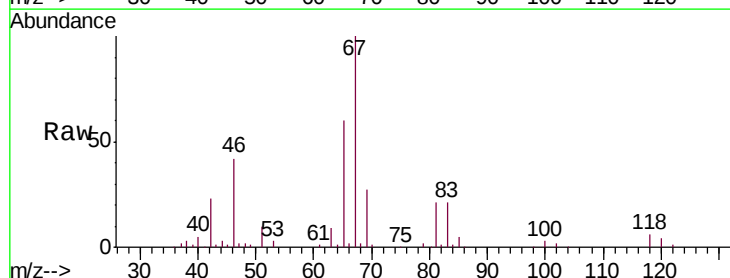
Acq: 07 Jan 2019 11:15

Tgt Ion: 63 Resp: 8066

Ion Ratio Lower Upper

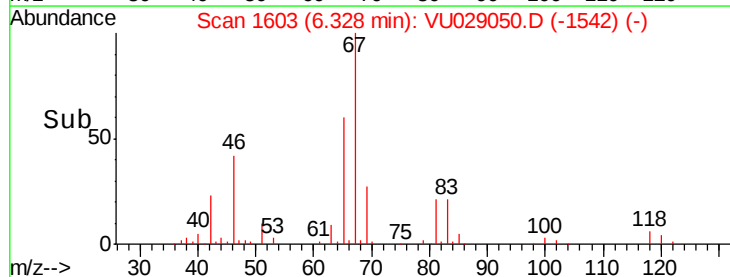
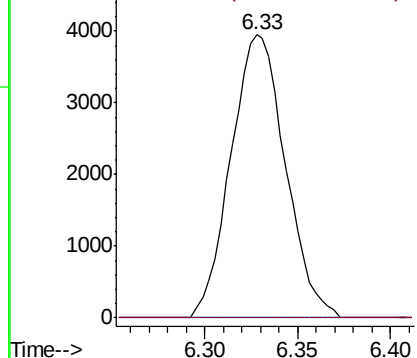
63 100

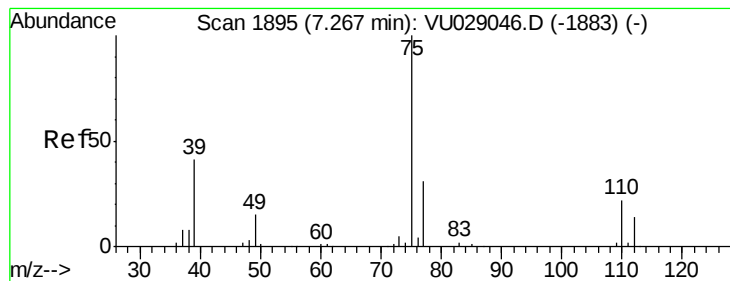
112 0.0 2.7 4.1#



Abundance Ion 63.00 (62.70 to 63.70): VU0

Ion 112.00 (111.70 to 112.70): V



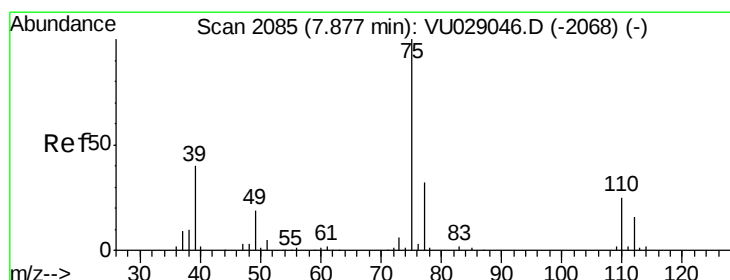
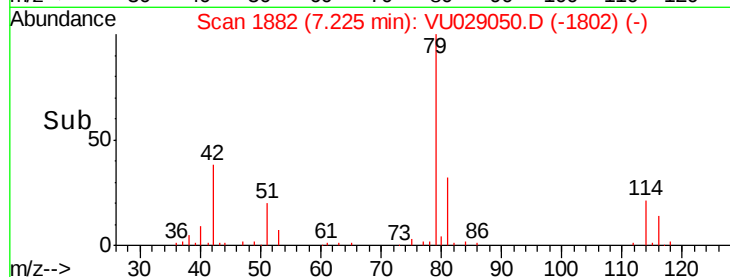
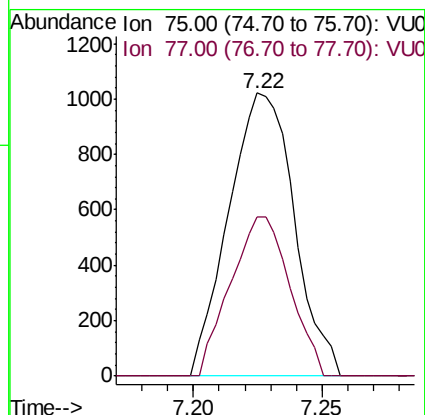
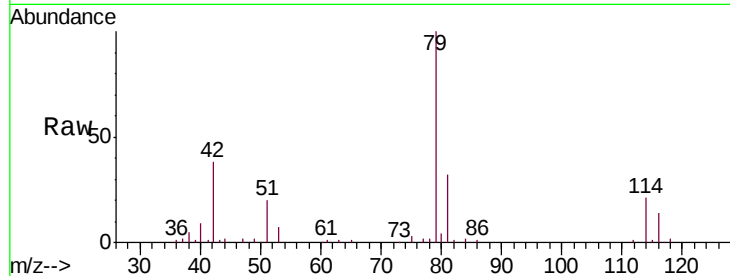


#39

cis-1,3-Dichloropropene
Concen: 0.782 ug/L
RT: 7.22 min Scan# 1882
Delta R.T. -0.04 min
Lab File: VU029050.D
Acq: 07 Jan 2019 11:15

Instrument :
MSVOA_U
ClientSampleId :
C0945

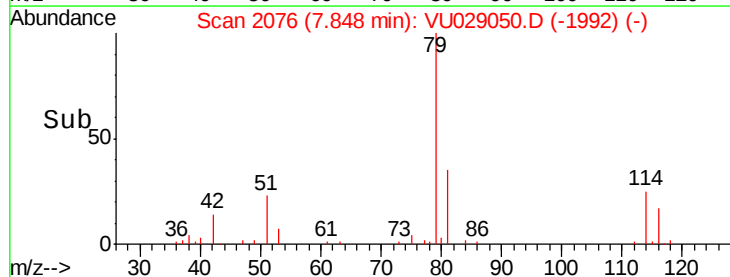
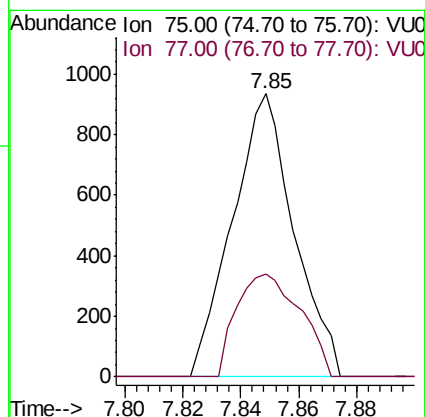
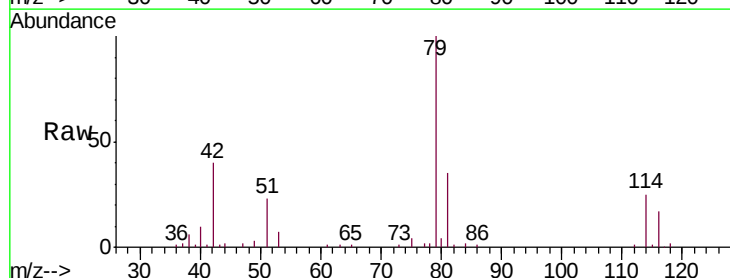
Tgt Ion: 75 Resp: 1811
Ion Ratio Lower Upper
75 100
77 56.2 21.8 40.6#

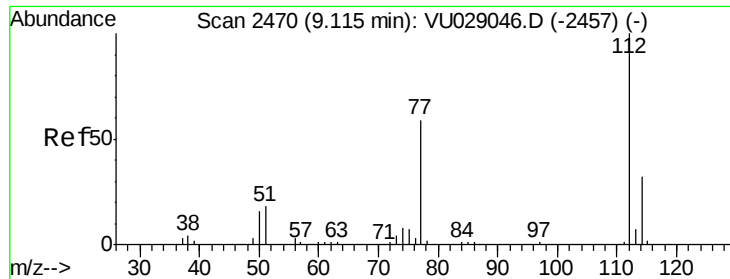


#44

trans-1,3-Dichloropropene
Concen: 0.668 ug/L
RT: 7.85 min Scan# 2076
Delta R.T. -0.03 min
Lab File: VU029050.D
Acq: 07 Jan 2019 11:15

Tgt Ion: 75 Resp: 1379
Ion Ratio Lower Upper
75 100
77 36.6 21.8 40.6

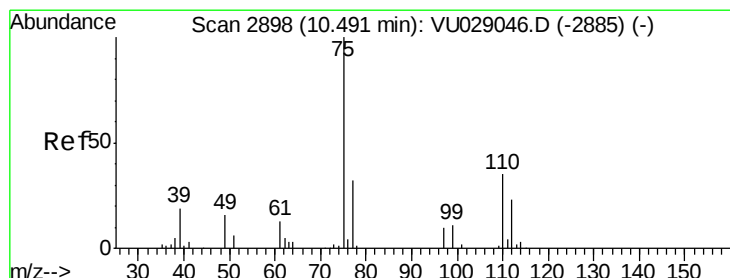
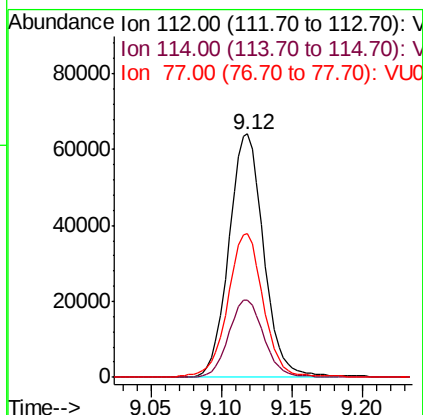
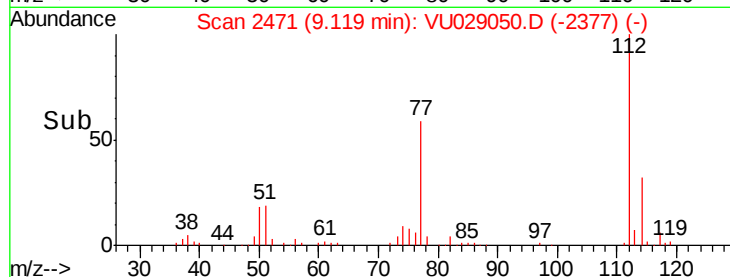
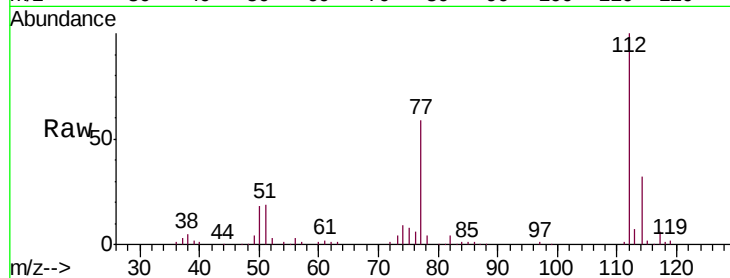




#51
Chlorobenzene
Concen: 29.836 ug/L
RT: 9.12 min Scan# 2471
Delta R.T. 0.00 min
Lab File: VU029050.D
Acq: 07 Jan 2019 11:15

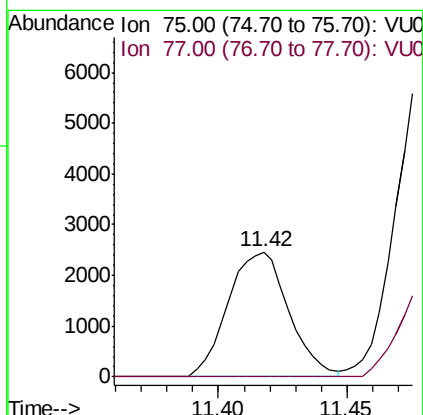
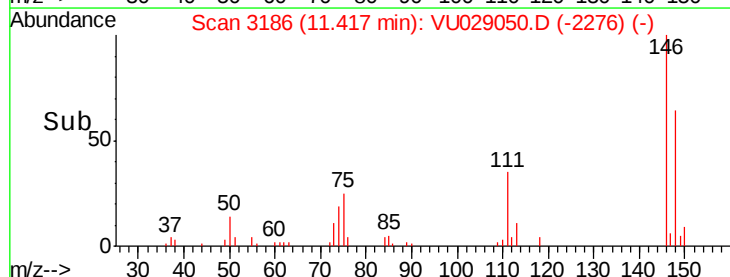
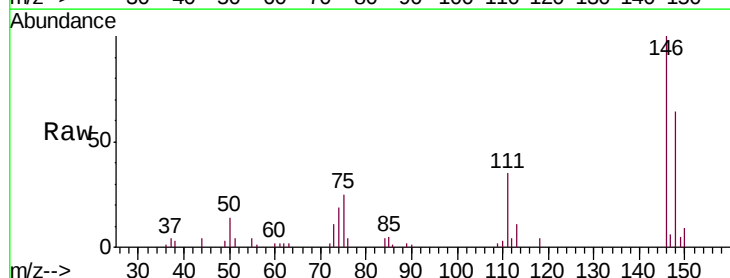
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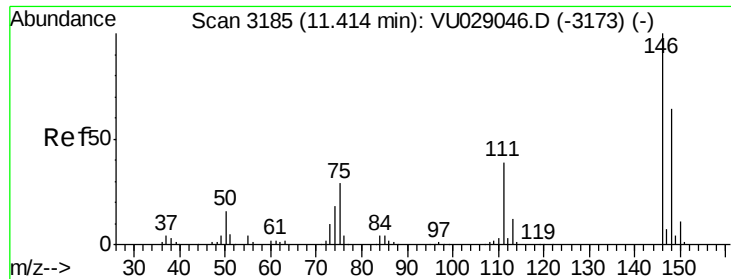
Tgt Ion: 112 Resp: 110705
Ion Ratio Lower Upper
112 100
114 31.9 22.2 41.2
77 58.9 47.8 71.8



#59
1,2,3-Trichloropropane
Concen: 2.085 ug/L
RT: 11.42 min Scan# 3186
Delta R.T. 0.93 min
Lab File: VU029050.D
Acq: 07 Jan 2019 11:15

Tgt Ion: 75 Resp: 4040
Ion Ratio Lower Upper
75 100
77 0.0 25.5 38.3#

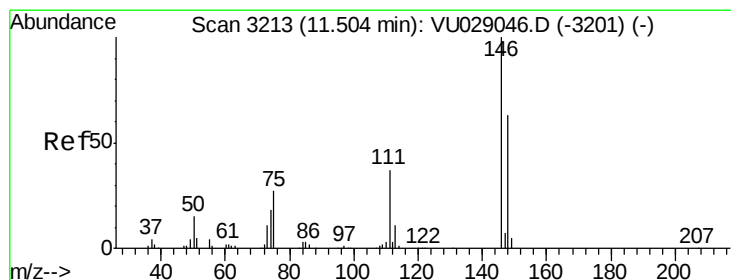
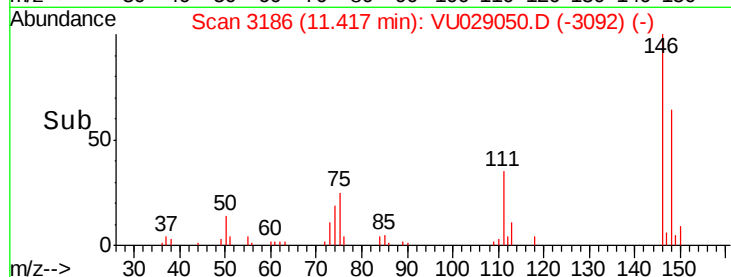
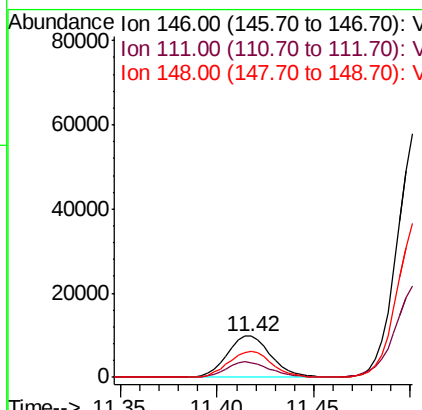
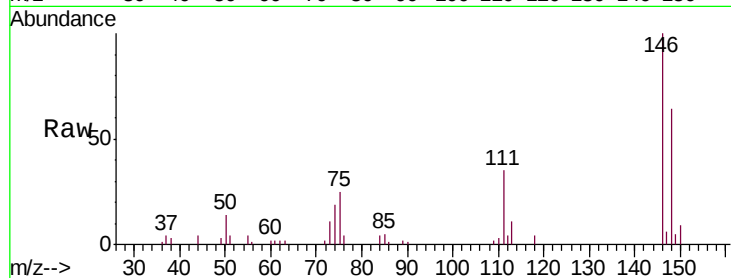




#62
 1,3-Dichlorobenzene
 Concen: 5.981 ug/L
 RT: 11.42 min Scan# 3186
 Delta R.T. 0.00 min
 Lab File: VU029050.D
 Acq: 07 Jan 2019 11:15

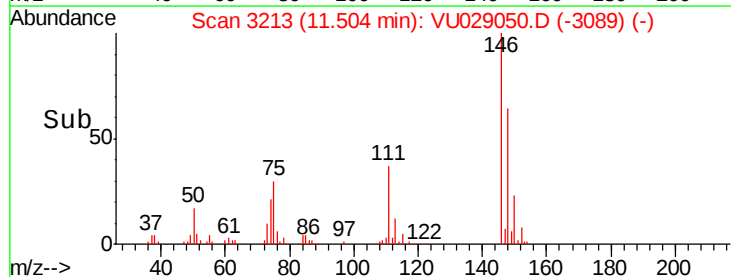
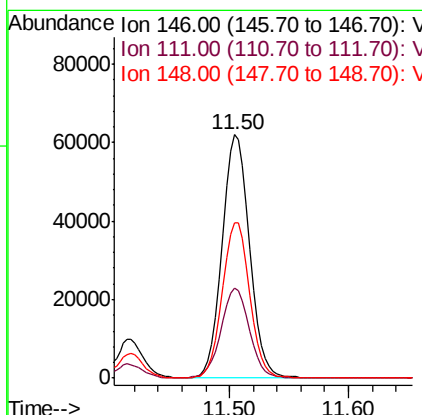
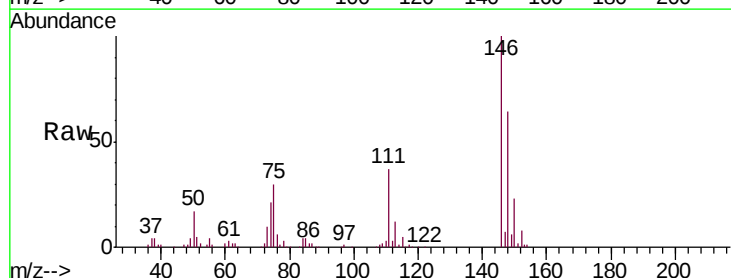
Instrument :
 MSVOA_U
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 C0945

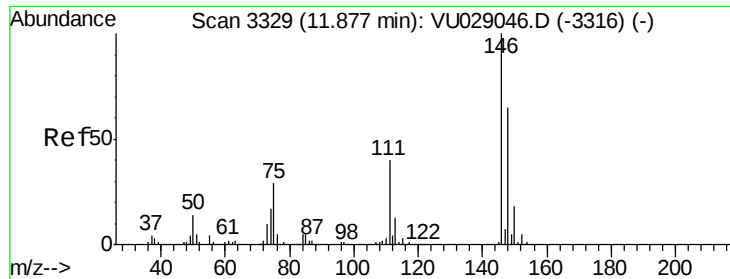
Tgt Ion:146 Resp: 15587
 Ion Ratio Lower Upper
 146 100
 111 35.4 27.4 50.8
 148 64.0 44.2 82.2



#63
 1,4-Dichlorobenzene
 Concen: 36.741 ug/L
 RT: 11.50 min Scan# 3213
 Delta R.T. -0.00 min
 Lab File: VU029050.D
 Acq: 07 Jan 2019 11:15

Tgt Ion:146 Resp: 98643
 Ion Ratio Lower Upper
 146 100
 111 36.9 26.5 49.1
 148 64.0 45.1 83.9

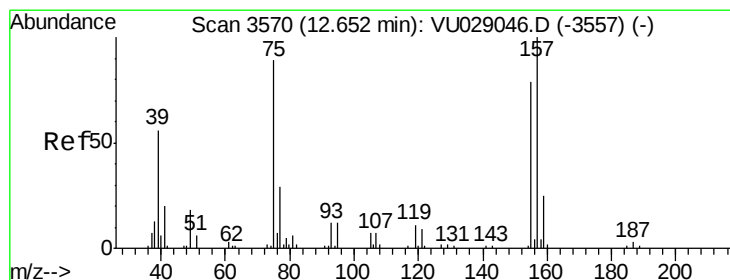
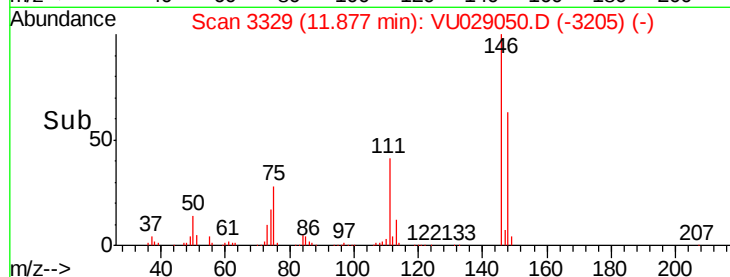
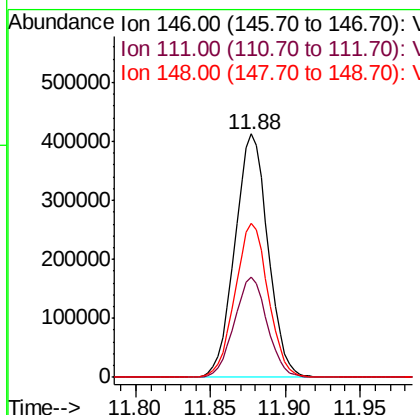
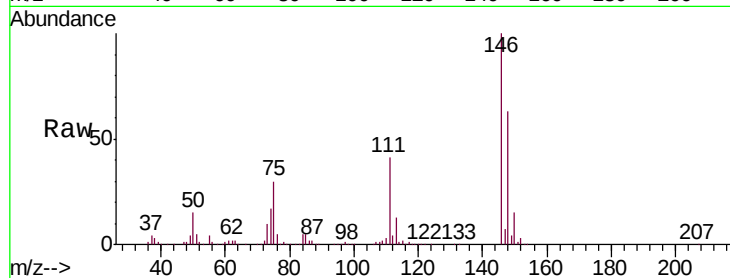




#65
 1,2-Dichlorobenzene
 Concen: 234.326 ug/L
 RT: 11.88 min Scan# 3329
 Delta R.T. -0.00 min
 Lab File: VU029050.D
 Acq: 07 Jan 2019 11:15

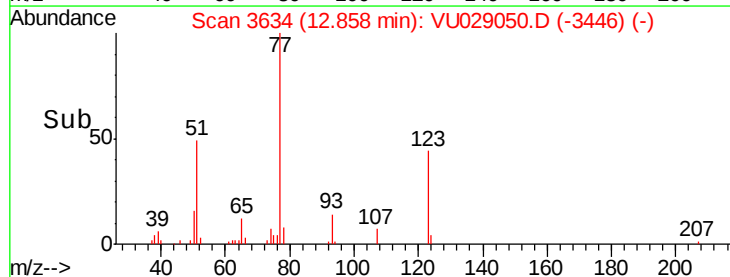
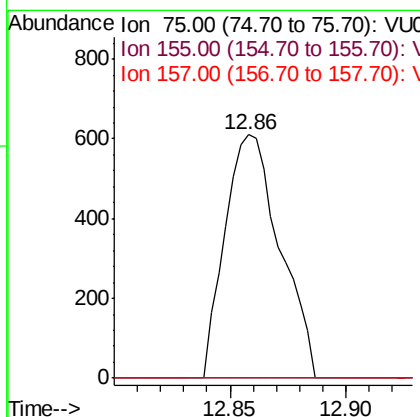
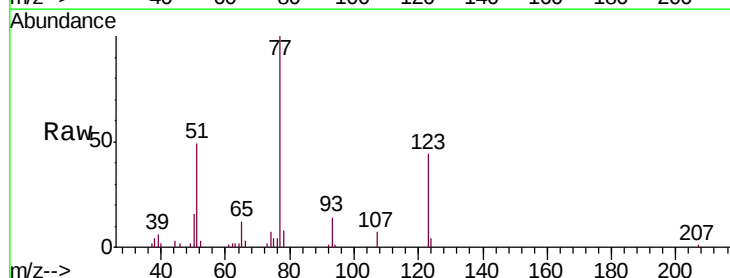
Instrument :
 MSVOA_U
 ClientSampled :
 C0945

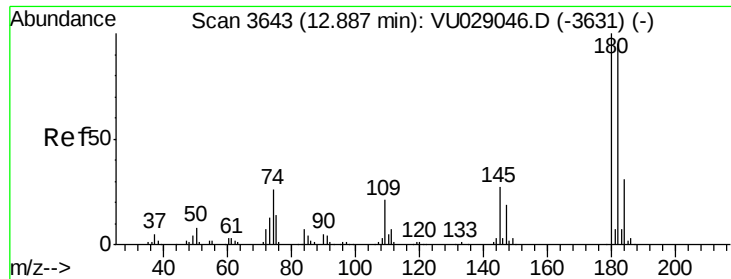
Tgt Ion:146 Resp: 636992
 Ion Ratio Lower Upper
 146 100
 111 41.0 32.1 48.1
 148 63.5 49.7 74.5



#66
 1,2-Dibromo-3-chloropropane
 Concen: 2.145 ug/L
 RT: 12.86 min Scan# 3634
 Delta R.T. 0.21 min
 Lab File: VU029050.D
 Acq: 07 Jan 2019 11:15

Tgt Ion: 75 Resp: 1006
 Ion Ratio Lower Upper
 75 100
 155 0.0 71.4 107.2#
 157 0.0 89.6 134.4#

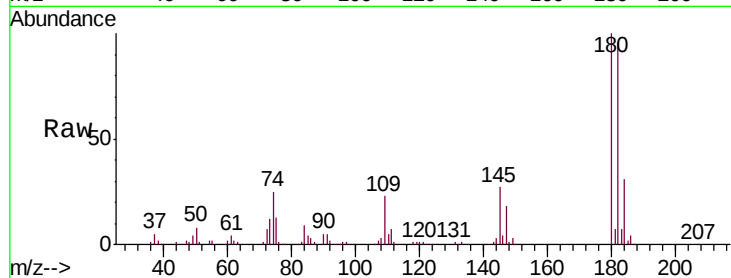




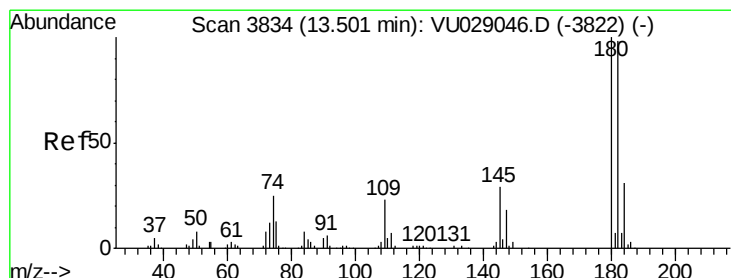
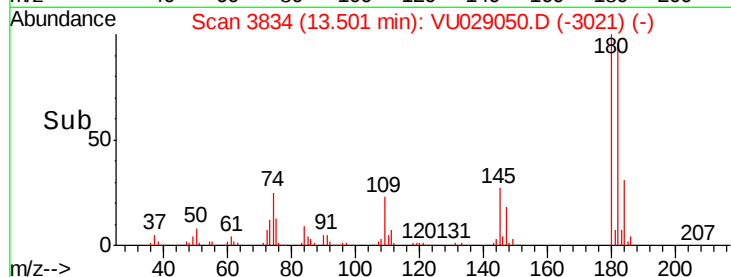
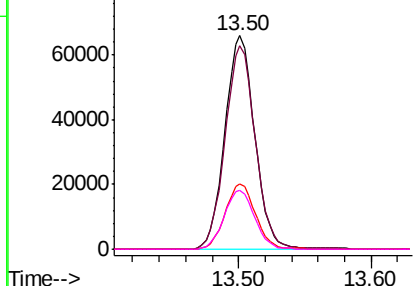
#67
 1,3,5-Trichlorobenzene
 Concen: 53.829 ug/L
 RT: 13.50 min Scan# 3834
 Delta R.T. 0.61 min
 Lab File: VU029050.D
 Acq: 07 Jan 2019 11:15

Instrument :
 MSVOA_U
 ClientSampleId :
 C0945

Tgt Ion:180 Resp: 103426
 Ion Ratio Lower Upper
 180 100
 182 96.2 76.4 114.6
 184 30.7 24.6 36.8
 145 28.1 22.1 33.1

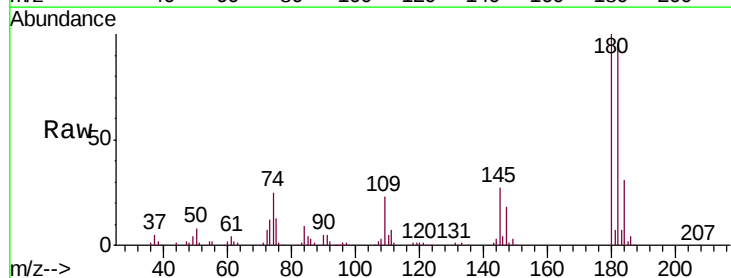


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

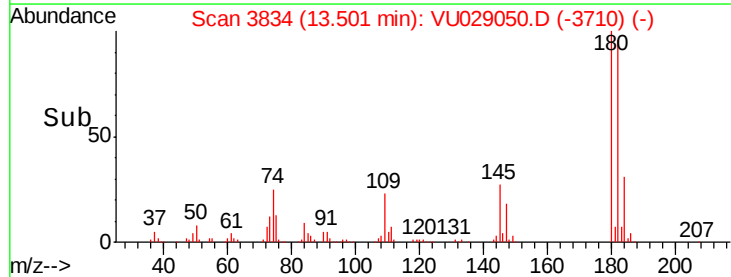
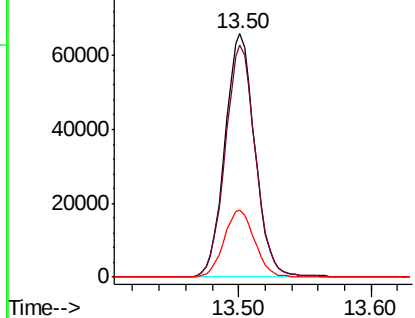


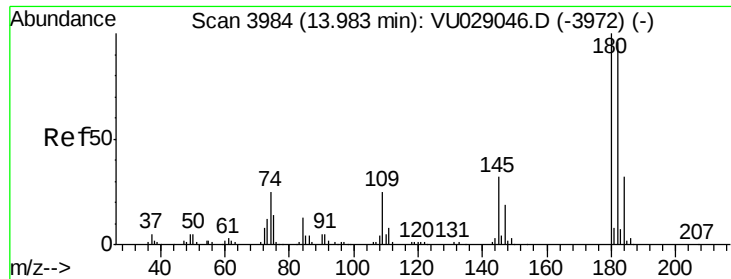
#68
 1,2,4-trichlorobenzene
 Concen: 64.281 ug/L
 RT: 13.50 min Scan# 3834
 Delta R.T. -0.00 min
 Lab File: VU029050.D
 Acq: 07 Jan 2019 11:15

Tgt Ion:180 Resp: 103426
 Ion Ratio Lower Upper
 180 100
 182 96.2 77.4 116.0
 145 28.1 23.5 35.3



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: 44.007 ug/L
 RT: 13.99 min Scan# 3985
 Delta R.T. 0.00 min
 Lab File: VU029050.D
 Acq: 07 Jan 2019 11:15

Instrument :
 MSVOA_U
 ClientSampleId :
 C0945

Tgt Ion:	180	Resp:	76350
Ion	Ratio	Lower	Upper
180	100		
182	95.9	75.8	113.8
145	29.2	24.5	36.7

