

Data File : VU029066.D
Acq On : 07 Jan 2019 19:04
Operator : MD/SY
Sample : K1050-08MEDL
Misc : 6.40g/10mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BE9W5ME

Quant Time: Jan 08 03:16:29 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Jan 08 03:12:02 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	189433	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	187206	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	85640	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	56508	37.21	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	74.42%
7) Chloroethane-d5	1.64	69	34900	29.75	ug/L	-0.03
Spiked Amount	50.000	Range	70 - 130	Recovery	=	59.50%#
11) 1,1-Dichloroethene-d2	2.22	63	75372	29.51	ug/L	-0.05
Spiked Amount	50.000	Range	60 - 125	Recovery	=	59.02%#
21) 2-Butanone-d5	4.20	46	95969	90.20	ug/L	0.02
Spiked Amount	100.000	Range	40 - 130	Recovery	=	90.20%
24) Chloroform-d	4.64	84	98540	41.26	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	82.52%
26) 1,2-Dichloroethane-d4	5.30	65	63613	43.21	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.42%
32) Benzene-d6	5.33	84	213574	40.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	80.76%
36) 1,2-Dichloropropane-d6	6.32	67	74247	41.32	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	82.64%
41) Toluene-d8	7.56	98	189673	39.58	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	79.16%#
43) trans-1,3-Dichloropropene-	7.85	79	32139	39.92	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	79.84%
47) 2-Hexanone-d5	8.32	63	73520	86.16	ug/L	0.02
Spiked Amount	100.000	Range	45 - 130	Recovery	=	86.16%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	118212	47.43	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.86%
64) 1,2-Dichlorobenzene-d4	11.86	152	75342	43.50	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.00%

Target Compounds

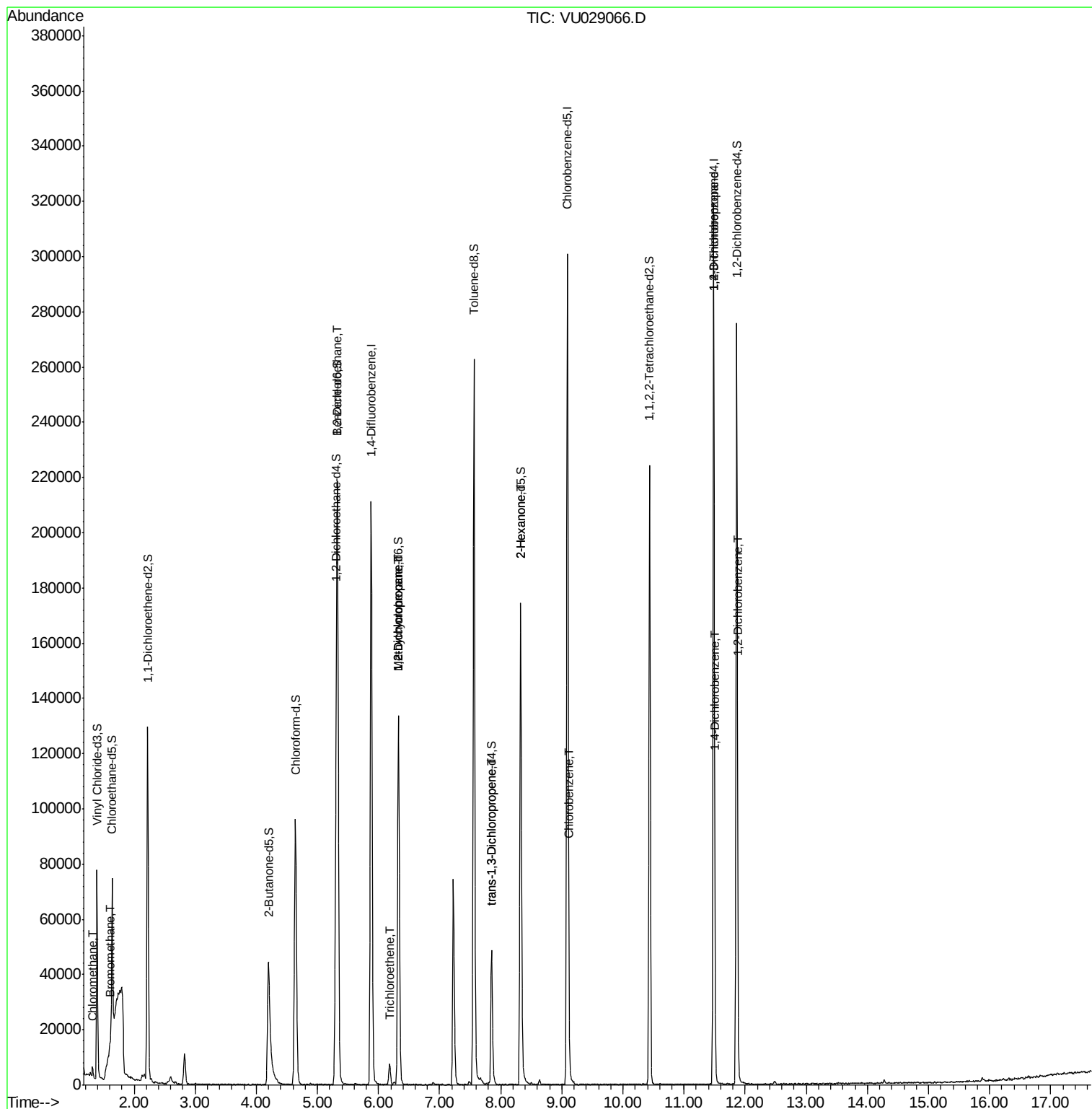
					Qvalue
3) Chloromethane	1.32	50	2809	1.337 ug/L	100
6) Bromomethane	1.60	94	593	0.750 ug/L	97
27) 1,2-Dichloroethane	5.33	62	917	0.507 ug/L #	74
34) Trichloroethene	6.18	95	2862	1.989 ug/L	96
35) Methylcyclohexane	6.33	83	15526	6.479 ug/L #	18
37) 1,2-Dichloropropane	6.32	63	7142	4.287 ug/L #	90
44) trans-1,3-Dichloropropene	7.85	75	1406	0.664 ug/L #	82
48) 2-Hexanone	8.32	43	7872	4.283 ug/L #	68
51) Chlorobenzene	9.12	112	2736	0.719 ug/L #	81
59) 1,2,3-Trichloropropane	11.48	75	11283	5.675 ug/L	96
63) 1,4-Dichlorobenzene	11.51	146	2722	0.971 ug/L	93
65) 1,2-Dichlorobenzene	11.88	146	2104	0.741 ug/L	94

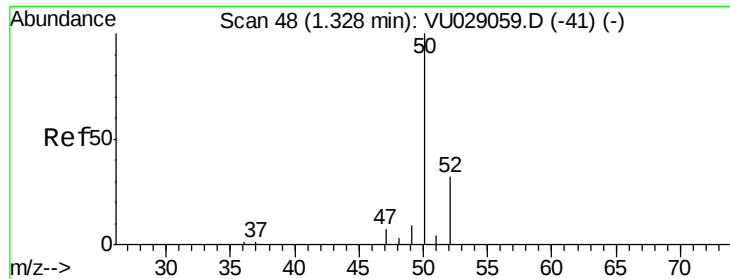
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 1.337 ug/L

RT: 1.32 min Scan# 45

Delta R.T. -0.01 min

Lab File: VU029066.D

Acq: 07 Jan 2019 19:04

Instrument :

MSVOA_U

ClientSampleId :

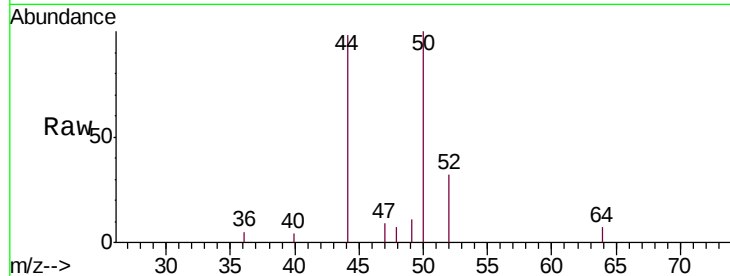
BE9W5ME

Tgt Ion: 50 Resp: 2809

Ion Ratio Lower Upper

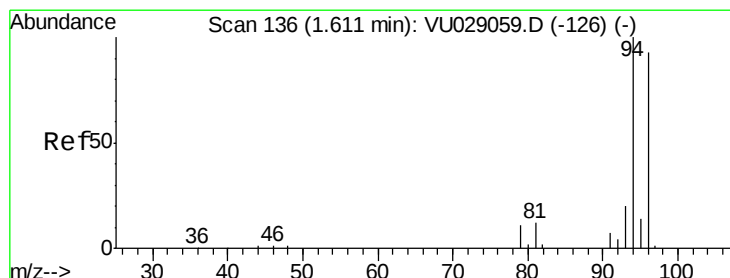
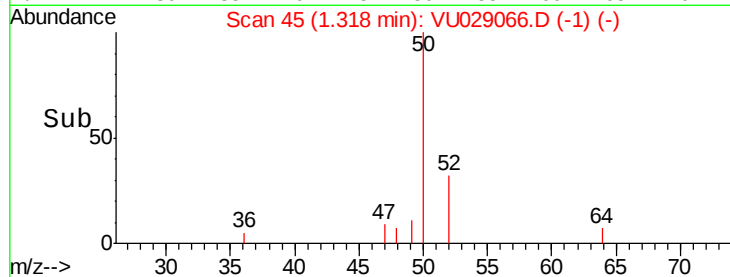
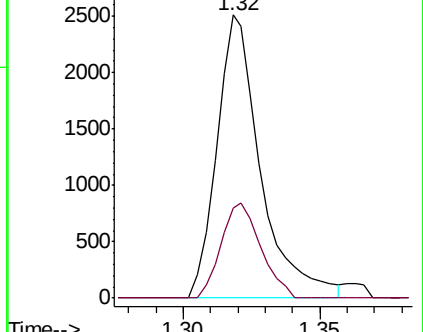
50 100

52 32.0 22.3 41.3



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0



#6

Bromomethane

Concen: 0.750 ug/L

RT: 1.60 min Scan# 132

Delta R.T. -0.01 min

Lab File: VU029066.D

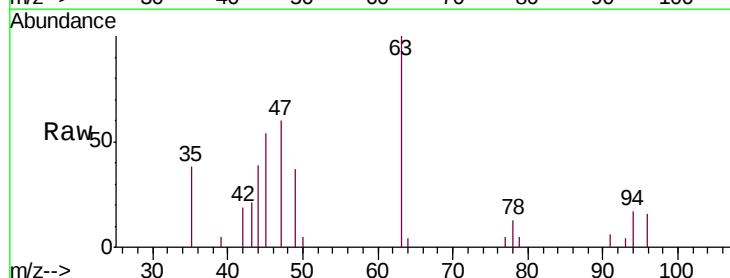
Acq: 07 Jan 2019 19:04

Tgt Ion: 94 Resp: 593

Ion Ratio Lower Upper

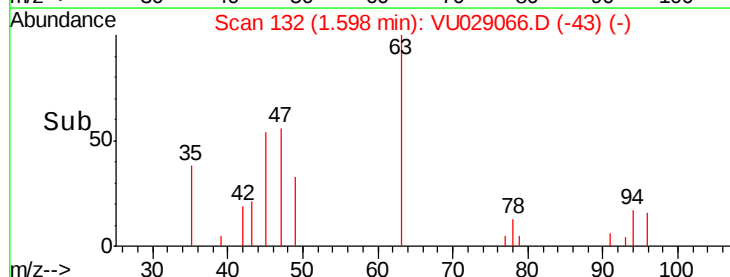
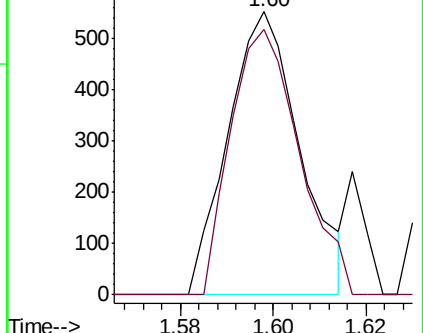
94 100

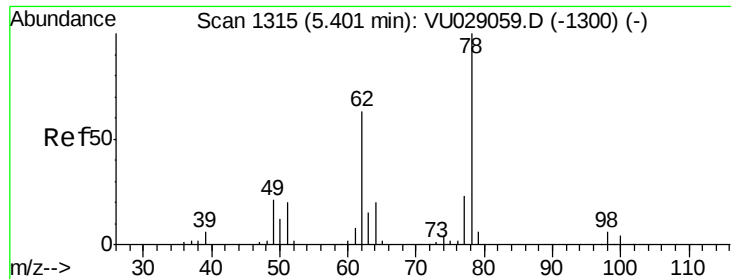
96 93.7 67.3 125.1



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

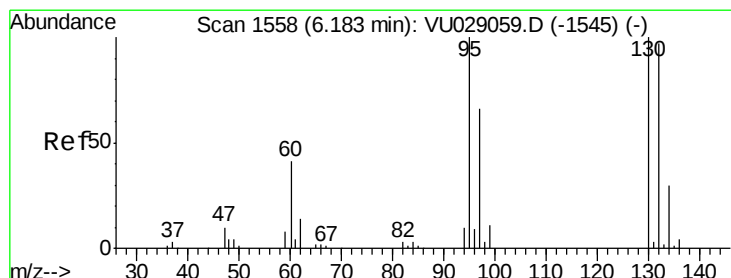
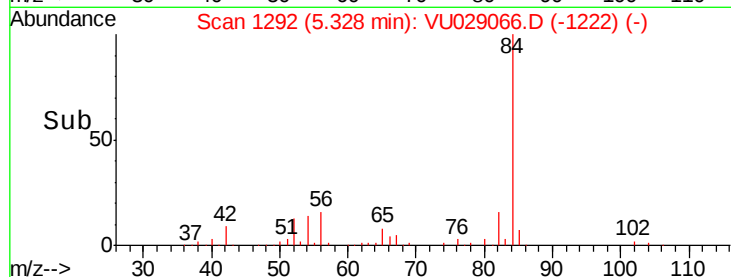
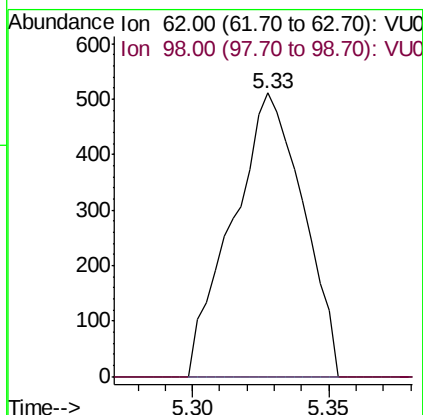
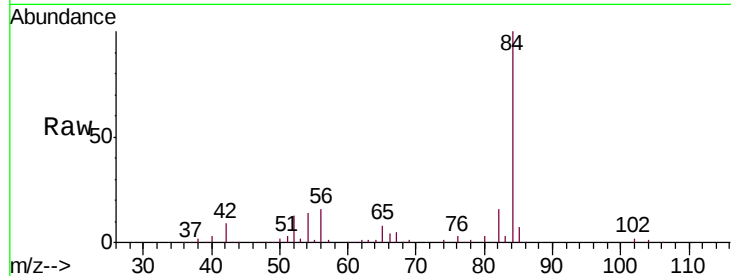




#27
 1,2-Dichloroethane
 Concen: 0.507 ug/L
 RT: 5.33 min Scan# 1292
 Delta R.T. -0.07 min
 Lab File: VU029066.D
 Acq: 07 Jan 2019 19:04

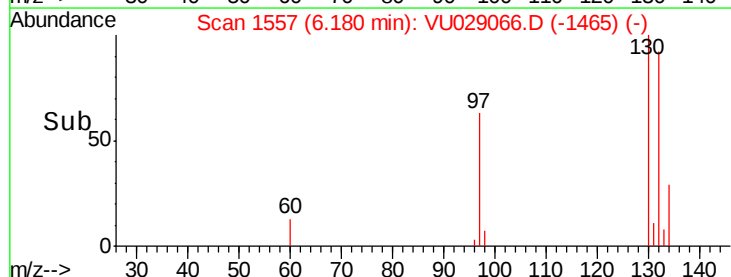
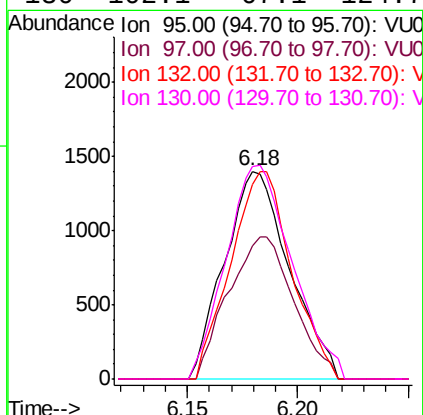
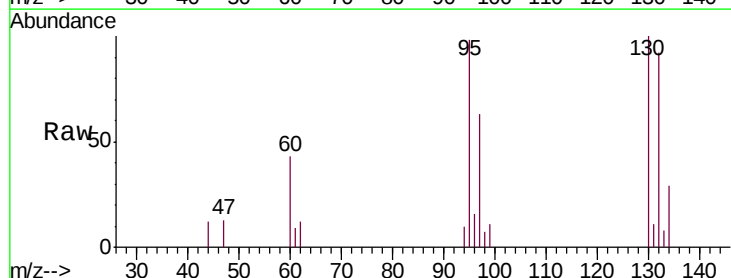
Instrument :
 MSVOA_U
 ClientSampleId :
 BE9W5ME

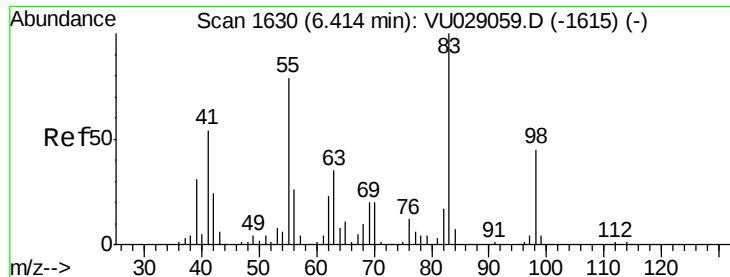
Tgt Ion: 62 Resp: 917
 Ion Ratio Lower Upper
 62 100
 98 0.0 7.5 11.3#



#34
 Trichloroethene
 Concen: 1.989 ug/L
 RT: 6.18 min Scan# 1557
 Delta R.T. -0.00 min
 Lab File: VU029066.D
 Acq: 07 Jan 2019 19:04

Tgt Ion: 95 Resp: 2862
 Ion Ratio Lower Upper
 95 100
 97 64.0 43.3 80.3
 132 93.5 64.2 119.2
 130 102.1 67.1 124.7

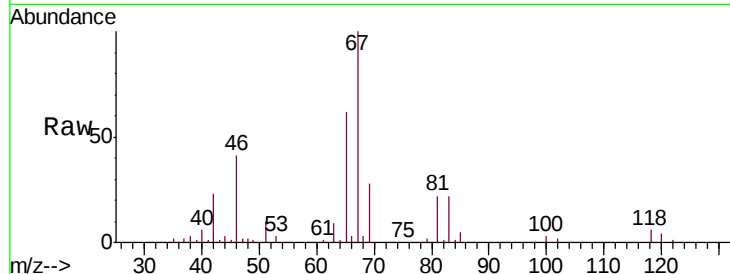




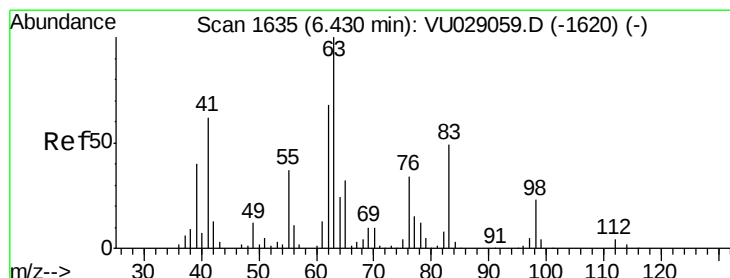
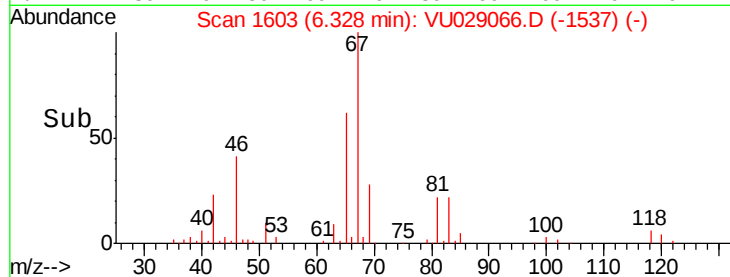
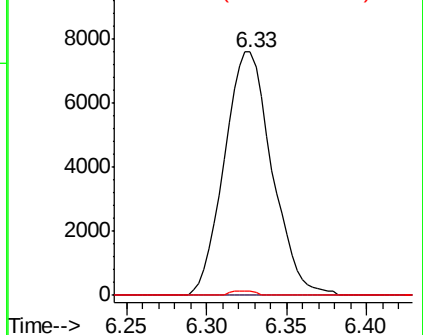
#35
Methylcyclohexane
Concen: 6.479 ug/L
RT: 6.33 min Scan# 1603
Delta R.T. -0.09 min
Lab File: VU029066.D
Acq: 07 Jan 2019 19:04

Instrument :
MSVOA_U
ClientSampleId :
BE9W5ME

Tgt Ion: 83 Resp: 15526
Ion Ratio Lower Upper
83 100
55 0.0 63.7 95.5#
98 0.9 35.6 53.4#

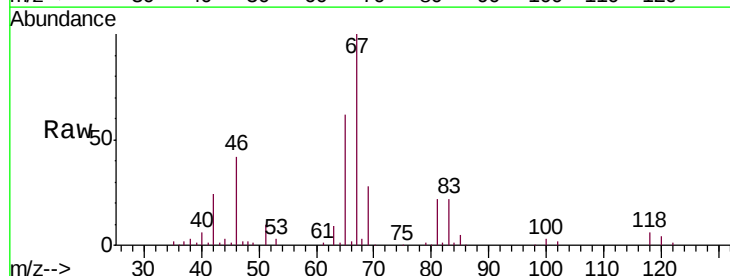


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

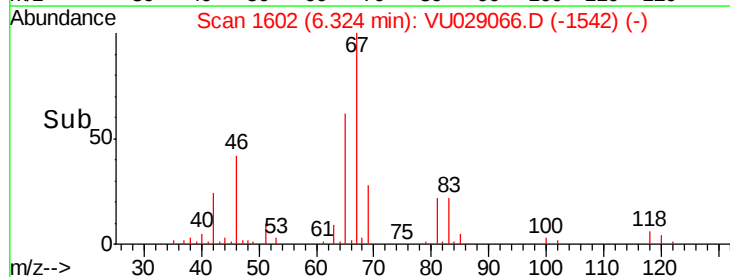
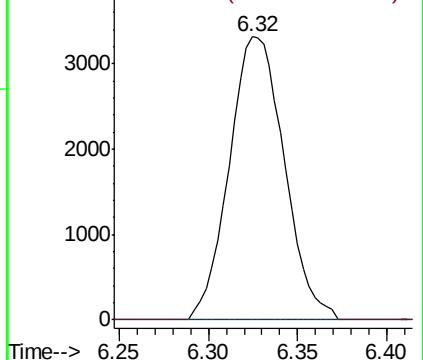


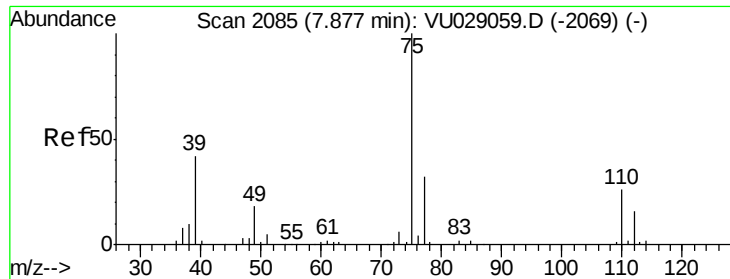
#37
1,2-Dichloropropane
Concen: 4.287 ug/L
RT: 6.32 min Scan# 1602
Delta R.T. -0.11 min
Lab File: VU029066.D
Acq: 07 Jan 2019 19:04

Tgt Ion: 63 Resp: 7142
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

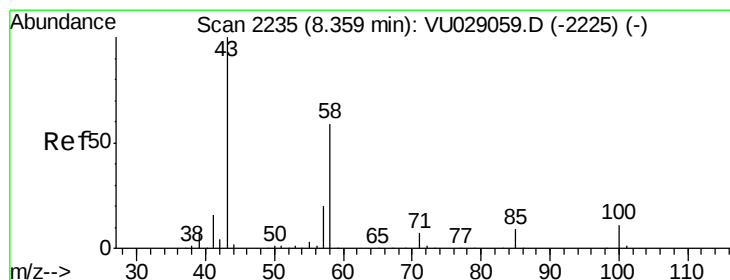
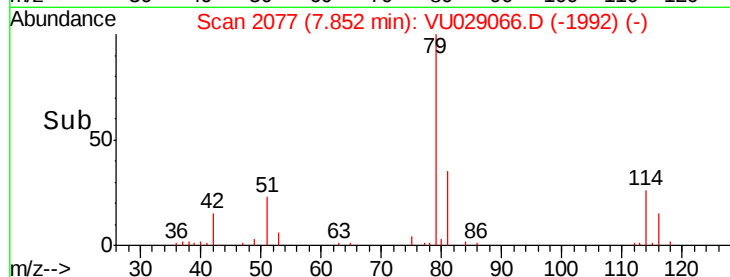
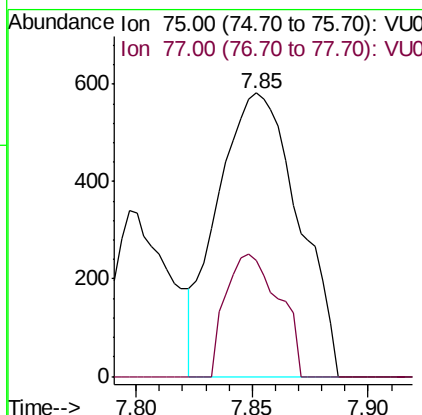
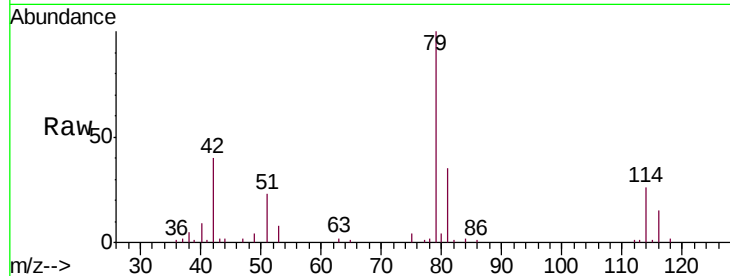




#44
trans-1,3-Dichloropropene
Concen: 0.664 ug/L
RT: 7.85 min Scan# 2077
Delta R.T. -0.03 min
Lab File: VU029066.D
Acq: 07 Jan 2019 19:04

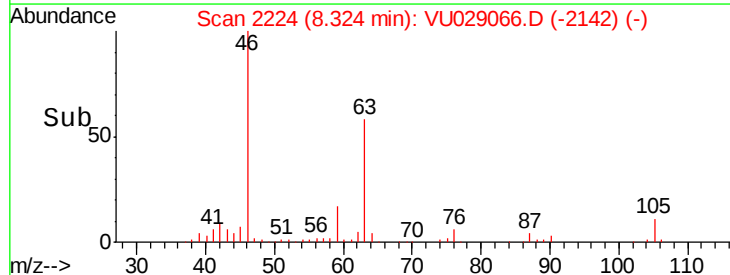
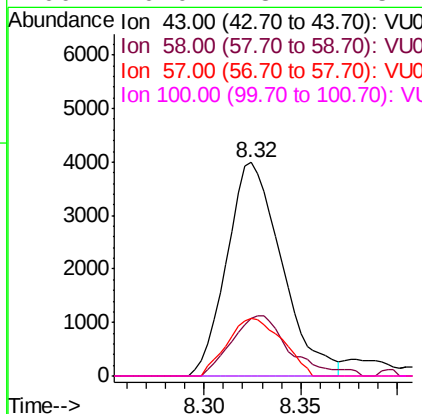
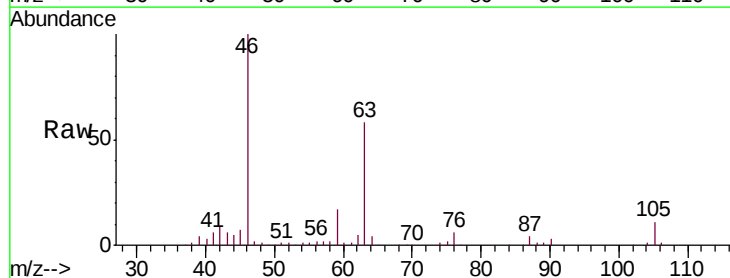
Instrument :
MSVOA_U
ClientSampleId :
BE9W5ME

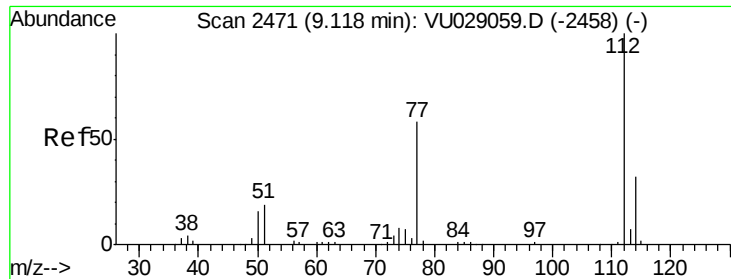
Tgt Ion: 75 Resp: 1406
Ion Ratio Lower Upper
75 100
77 41.1 21.8 40.6#



#48
2-Hexanone
Concen: 4.283 ug/L
RT: 8.32 min Scan# 2224
Delta R.T. -0.04 min
Lab File: VU029066.D
Acq: 07 Jan 2019 19:04

Tgt Ion: 43 Resp: 7872
Ion Ratio Lower Upper
43 100
58 29.6 45.9 68.9#
57 26.9 15.0 22.4#
100 0.0 8.7 13.1#





#51

Chlorobenzene

Concen: 0.719 ug/L

RT: 9.12 min Scan# 2472

Delta R.T. 0.00 min

Lab File: VU029066.D

Acq: 07 Jan 2019 19:04

Instrument :

MSVOA_U

ClientSampleId :

BE9W5ME

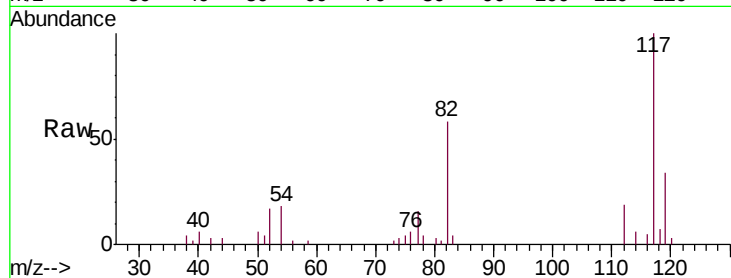
Tgt Ion: 112 Resp: 2736

Ion Ratio Lower Upper

112 100

114 32.7 22.2 41.2

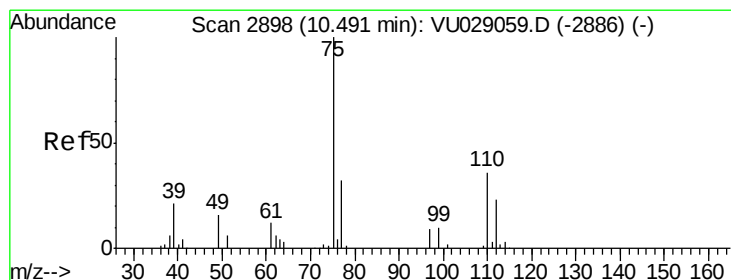
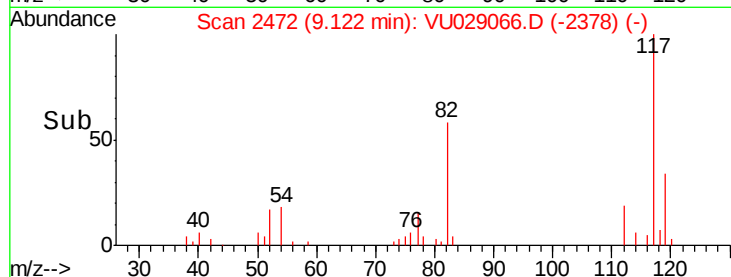
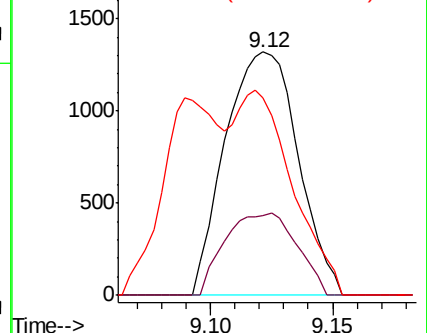
77 81.4 47.8 71.8#



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VU0



#59

1,2,3-Trichloropropane

Concen: 5.675 ug/L

RT: 11.48 min Scan# 3207

Delta R.T. 0.99 min

Lab File: VU029066.D

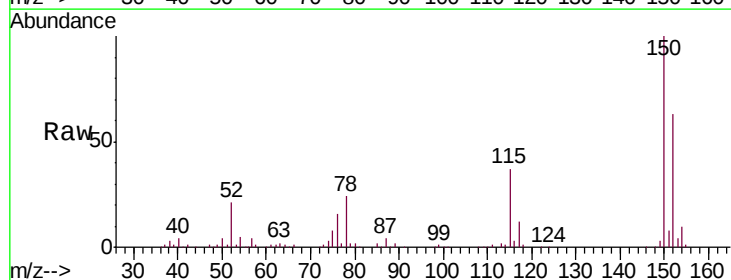
Acq: 07 Jan 2019 19:04

Tgt Ion: 75 Resp: 11283

Ion Ratio Lower Upper

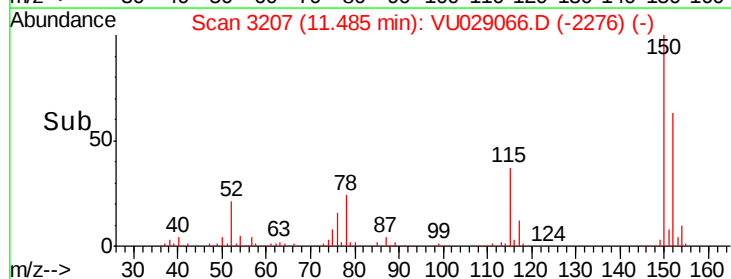
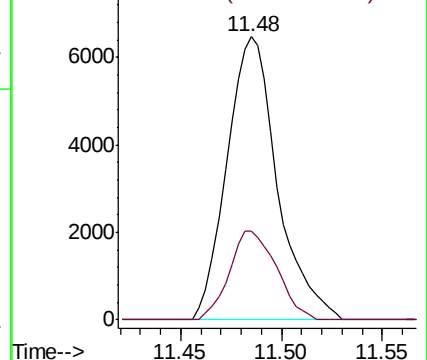
75 100

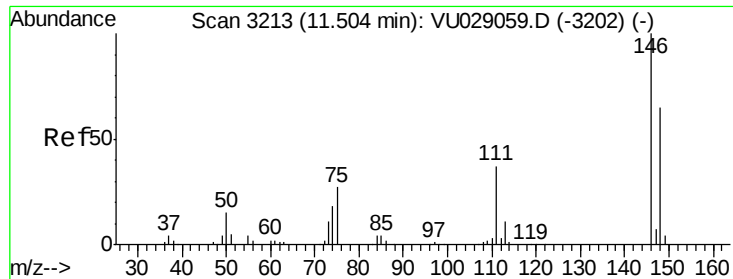
77 29.5 25.5 38.3



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0





#63

1,4-Dichlorobenzene

Concen: 0.971 ug/L

RT: 11.51 min Scan# 3215

Delta R.T. 0.01 min

Lab File: VU029066.D

Acq: 07 Jan 2019 19:04

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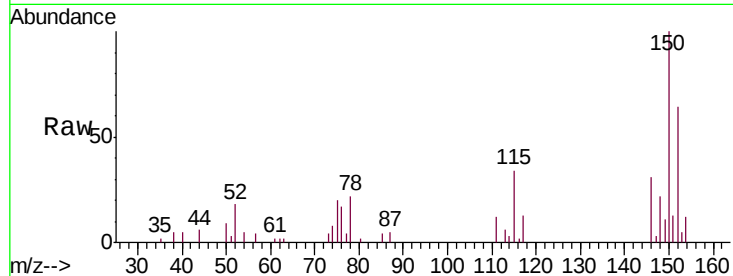
Tgt Ion:146 Resp: 2722

Ion Ratio Lower Upper

146 100

111 38.6 26.5 49.1

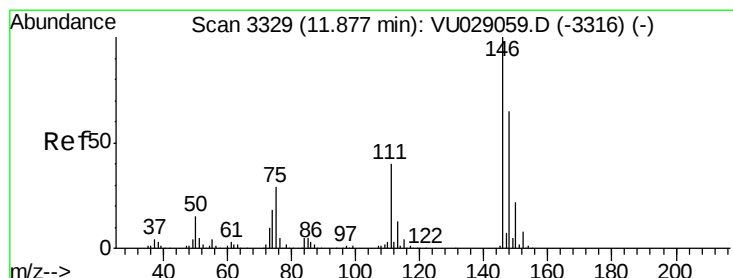
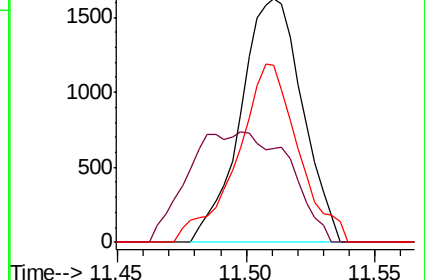
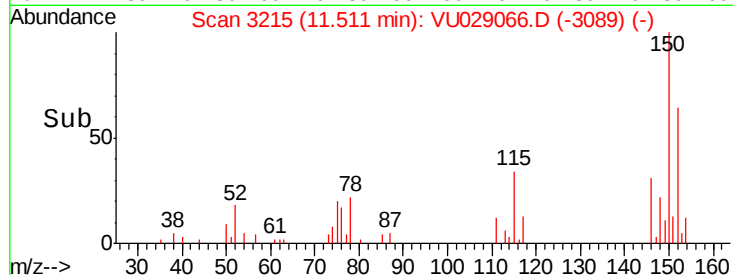
148 72.9 45.1 83.9



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



#65

1,2-Dichlorobenzene

Concen: 0.741 ug/L

RT: 11.88 min Scan# 3331

Delta R.T. 0.01 min

Lab File: VU029066.D

Acq: 07 Jan 2019 19:04

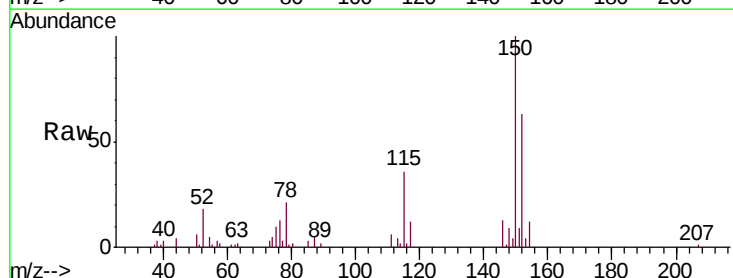
Tgt Ion:146 Resp: 2104

Ion Ratio Lower Upper

146 100

111 44.0 32.1 48.1

148 66.1 49.7 74.5



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

