

Data File : VU029063.D
Acq On : 07 Jan 2019 17:27
Operator : MD/SY
Sample : K1048-01DL 4X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0945DL

Quant Time: Jan 08 03:15:39 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	183278	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	177661	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	73183	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	70078	47.69	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	95.38%
7) Chloroethane-d5	1.67	69	54882	48.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	96.72%
11) 1,1-Dichloroethene-d2	2.27	63	88405	35.78	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	71.56%
21) 2-Butanone-d5	4.17	46	105416	102.40	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	102.40%
24) Chloroform-d	4.64	84	112956	48.89	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.78%
26) 1,2-Dichloroethane-d4	5.31	65	70769	49.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.38%
32) Benzene-d6	5.34	84	246721	49.16	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.32%
36) 1,2-Dichloropropane-d6	6.33	67	84117	49.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.66%
41) Toluene-d8	7.56	98	215124	47.30	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.60%
43) trans-1,3-Dichloropropene-	7.85	79	36041	47.17	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.34%
47) 2-Hexanone-d5	8.31	63	74284	91.73	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	91.73%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	116596	49.29	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.58%
64) 1,2-Dichlorobenzene-d4	11.86	152	76860	51.93	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.86%

Target Compounds

					Qvalue
3) Chloromethane	1.33	50	1385	0.682 ug/L	92
8) Chloroethane	1.40	64	990	0.966 ug/L #	1
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	934	0.786 ug/L #	20
12) 1,1-Dichloroethene	2.27	96	683	0.581 ug/L #	1
13) Acetone	2.32	43	4236	4.038 ug/L	96
27) 1,2-Dichloroethane	5.34	62	1223	0.699 ug/L #	74
35) Methylcyclohexane	6.33	83	17832	7.841 ug/L #	18
37) 1,2-Dichloropropane	6.33	63	8060	5.098 ug/L #	90
39) cis-1,3-Dichloropropene	7.22	75	1582	0.702 ug/L #	50
44) trans-1,3-Dichloropropene	7.85	75	1314	0.654 ug/L #	76
48) 2-Hexanone	8.31	43	8011	4.593 ug/L #	65
51) Chlorobenzene	9.12	112	28541	7.898 ug/L	98
59) 1,2,3-Trichloropropane	11.48	75	10761	5.703 ug/L	94
62) 1,3-Dichlorobenzene	11.42	146	3653	1.571 ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	22922	9.570 ug/L	98
65) 1,2-Dichlorobenzene	11.88	146	138302	57.029 ug/L	98
67) 1,3,5-Trichlorobenzene	13.50	180	18648	10.879 ug/L	99

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

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Quant Title : VOC Analysis
QLast Update : Tue Jan 08 03:12:02 2019
Response via : Initial Calibration

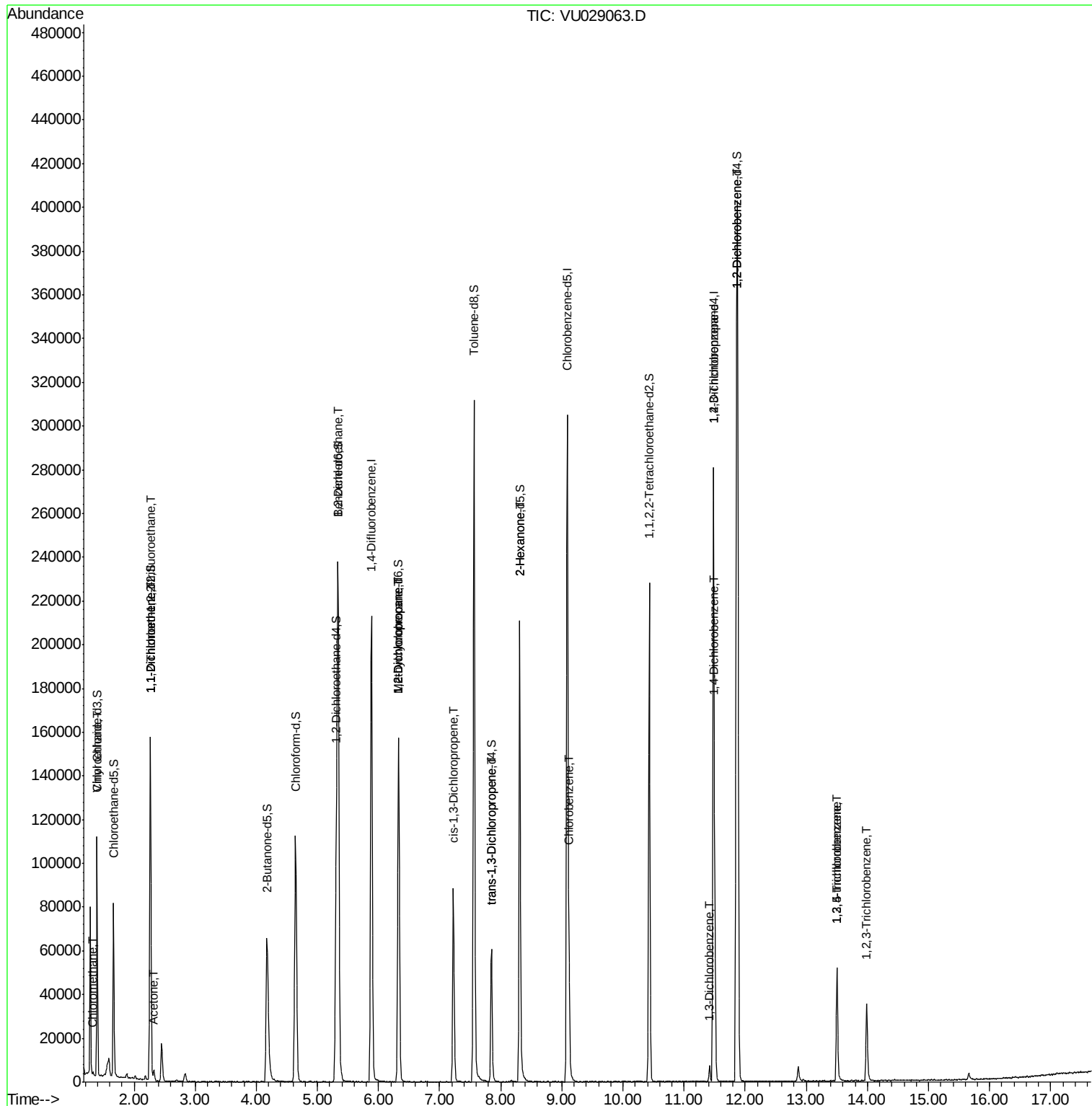
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1,2,4-trichlorobenzene	13.50	180	18648	12.992	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	14476	9.353	ug/L	95

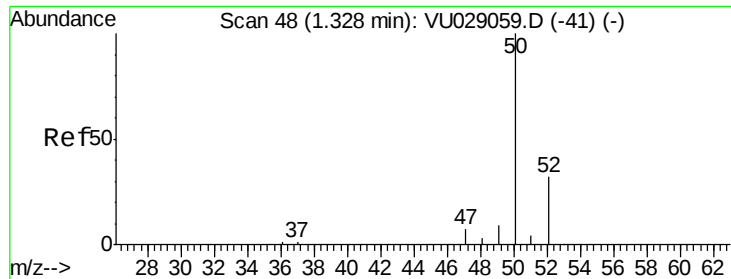
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.682 ug/L

RT: 1.33 min Scan# 48

Delta R.T. 0.00 min

Lab File: VU029063.D

Acq: 07 Jan 2019 17:27

Instrument :

MSVOA_U

ClientSampleId :

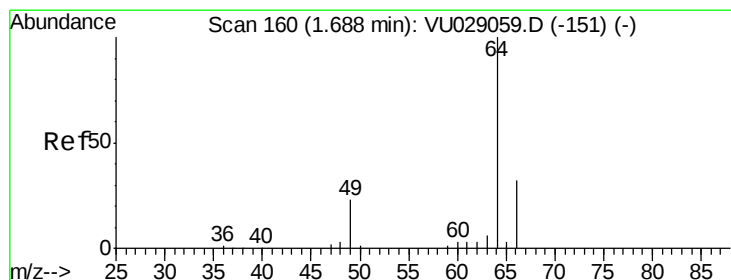
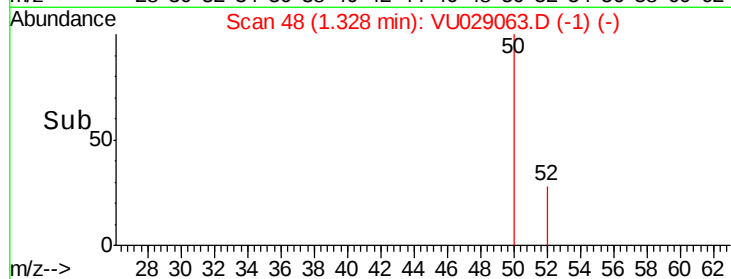
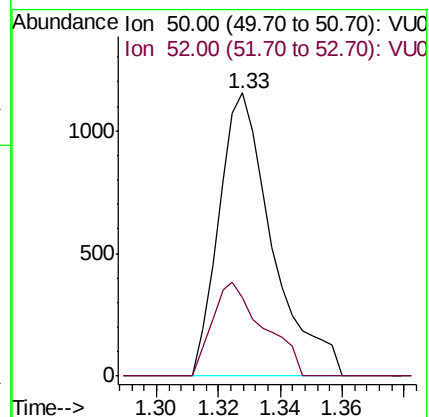
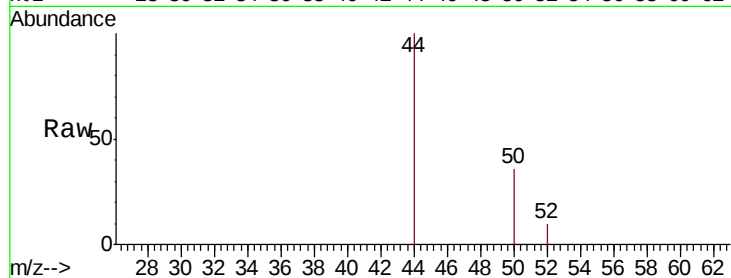
C0945DL

Tgt Ion: 50 Resp: 1385

Ion Ratio Lower Upper

50 100

52 27.6 22.3 41.3



#8

Chloroethane

Concen: 0.966 ug/L

RT: 1.40 min Scan# 70

Delta R.T. -0.29 min

Lab File: VU029063.D

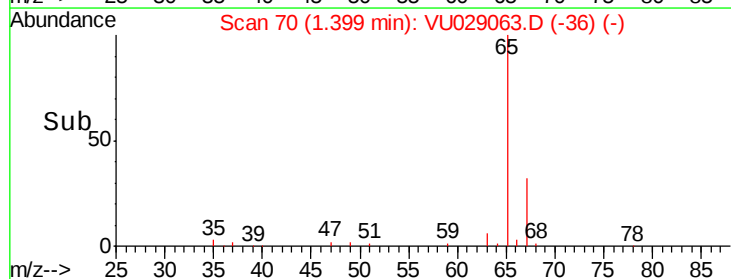
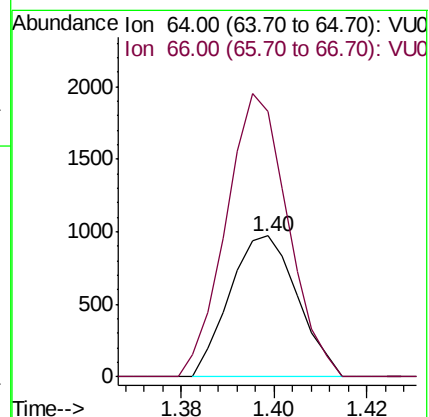
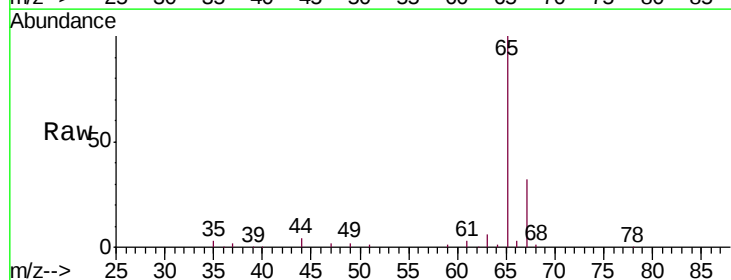
Acq: 07 Jan 2019 17:27

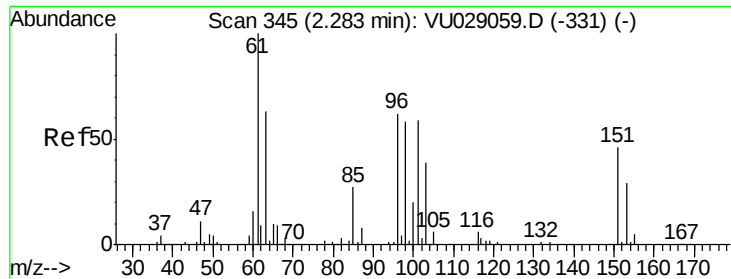
Tgt Ion: 64 Resp: 990

Ion Ratio Lower Upper

64 100

66 188.2 21.5 39.9#





#10

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

Concen: 0.786 ug/L

RT: 2.27 min Scan# 340

Delta R.T. -0.02 min

Lab File: VU029063.D

Acq: 07 Jan 2019 17:27

Instrument :

MSVOA_U

ClientSampleId :

C0945DL

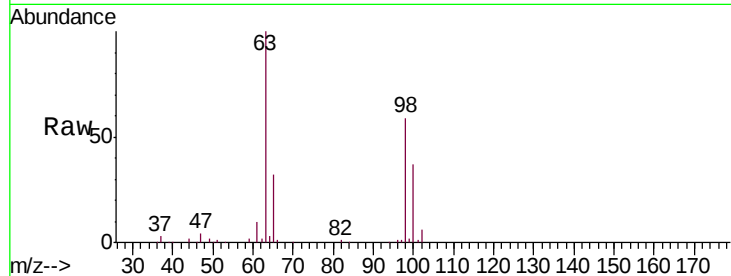
Tgt Ion:101 Resp: 934

Ion Ratio Lower Upper

101 100

85 0.0 33.8 50.6#

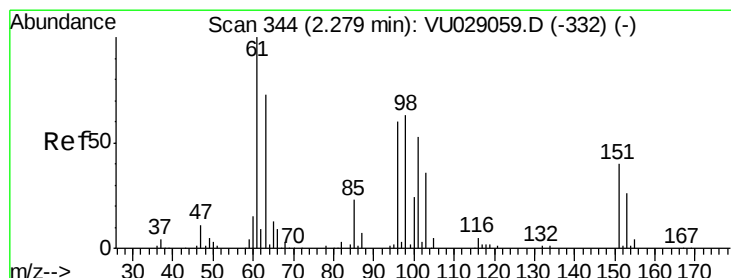
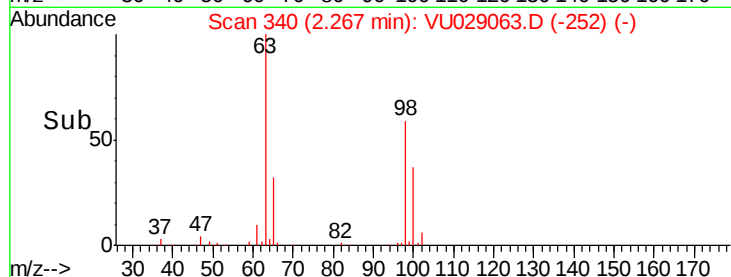
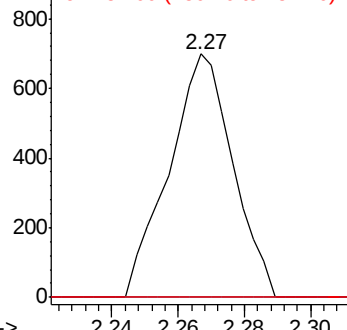
151 0.0 59.4 89.0#



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: 0.581 ug/L

RT: 2.27 min Scan# 340

Delta R.T. -0.01 min

Lab File: VU029063.D

Acq: 07 Jan 2019 17:27

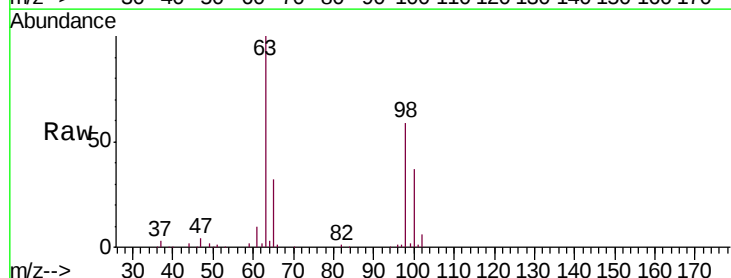
Tgt Ion: 96 Resp: 683

Ion Ratio Lower Upper

96 100

61 1259.3 119.3 221.5#

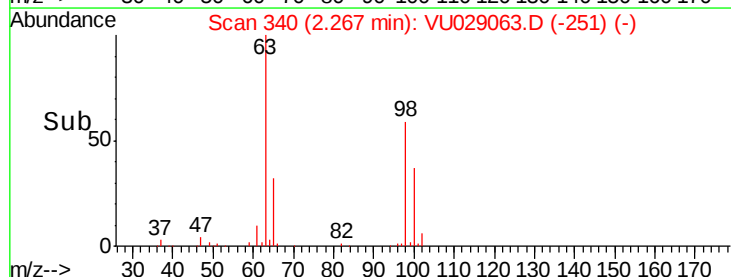
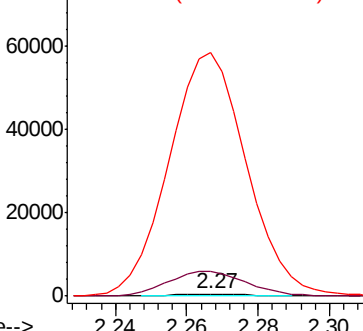
63 12537.9 107.4 199.6#

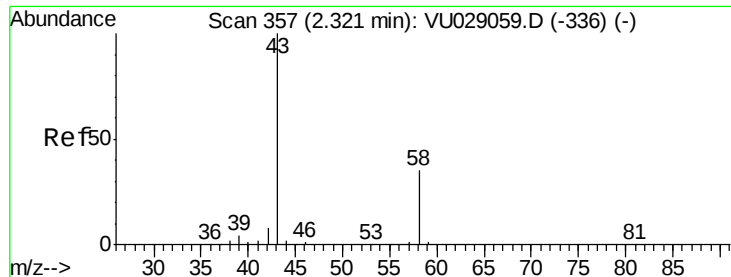


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 4.038 ug/L

RT: 2.32 min Scan# 357

Delta R.T. 0.00 min

Lab File: VU029063.D

Acq: 07 Jan 2019 17:27

Instrument :

MSVOA_U

ClientSampled :

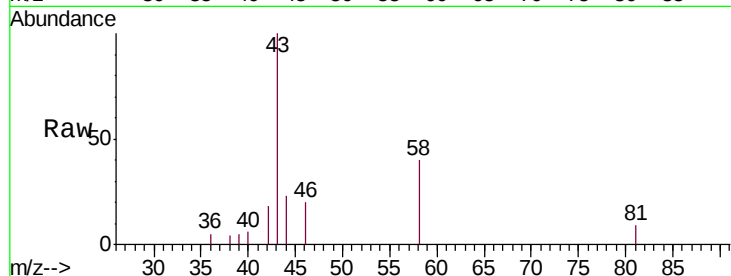
C0945DL

Tgt Ion: 43 Resp: 4236

Ion Ratio Lower Upper

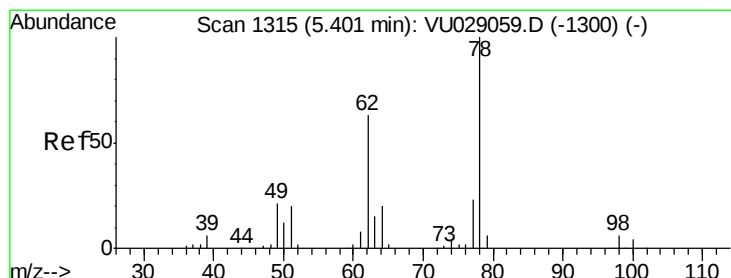
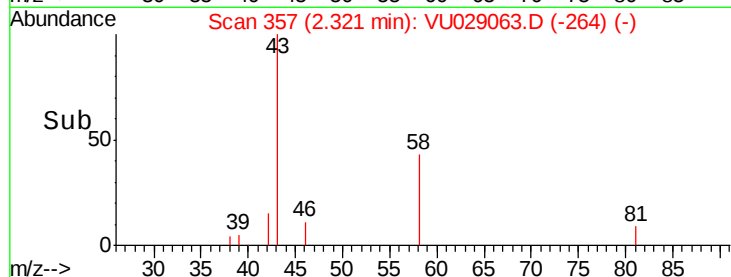
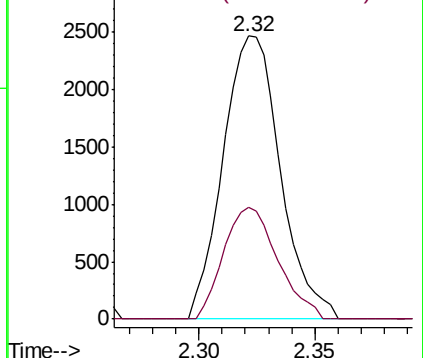
43 100

58 37.3 0.0 70.2



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#27

1,2-Dichloroethane

Concen: 0.699 ug/L

RT: 5.34 min Scan# 1296

Delta R.T. -0.06 min

Lab File: VU029063.D

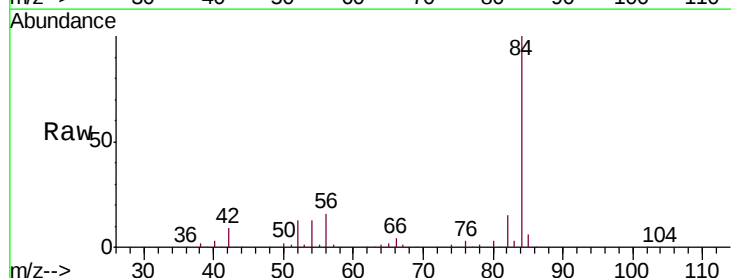
Acq: 07 Jan 2019 17:27

Tgt Ion: 62 Resp: 1223

Ion Ratio Lower Upper

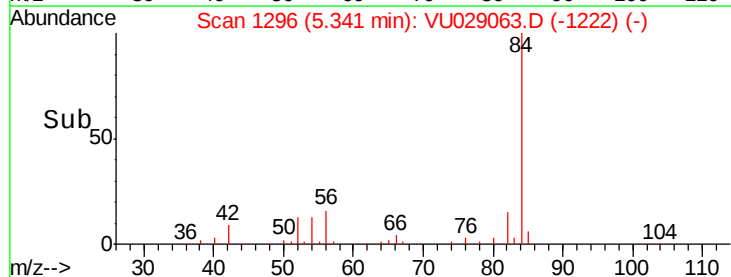
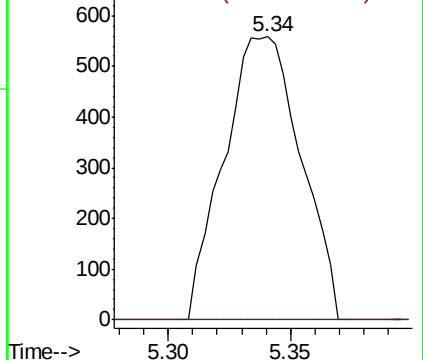
62 100

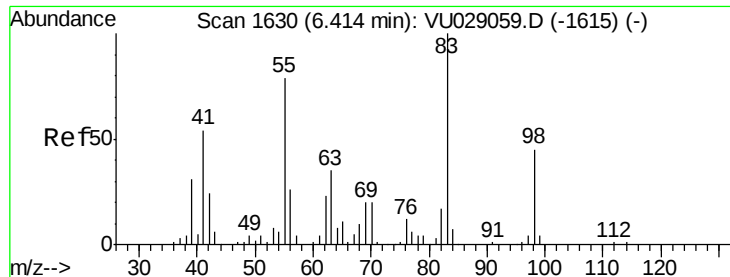
98 0.0 7.5 11.3#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#35

Methylcyclohexane

Concen: 7.841 ug/L

RT: 6.33 min Scan# 1603

Delta R.T. -0.09 min

Lab File: VU029063.D

Acq: 07 Jan 2019 17:27

Instrument :

MSVOA_U

ClientSampleId :

C0945DL

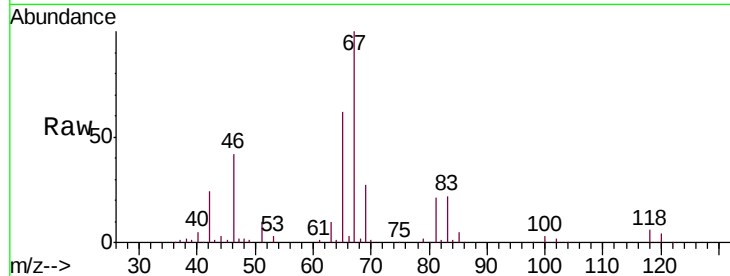
Tgt Ion: 83 Resp: 17832

Ion Ratio Lower Upper

83 100

55 0.0 63.7 95.5#

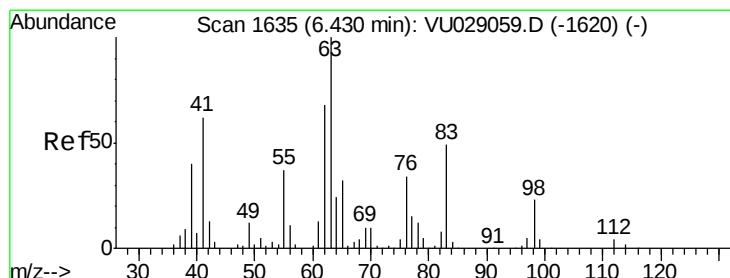
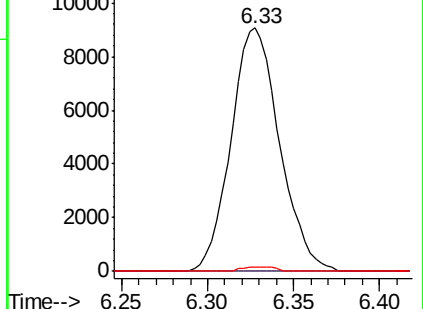
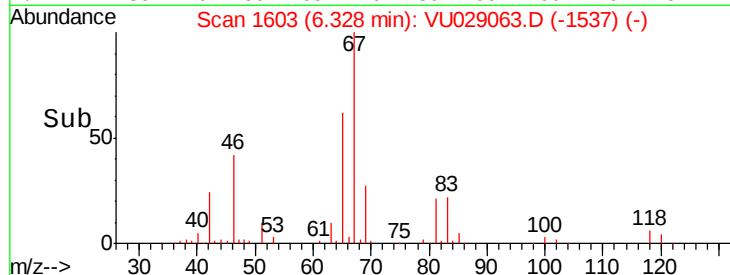
98 1.2 35.6 53.4#



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: 5.098 ug/L

RT: 6.33 min Scan# 1604

Delta R.T. -0.10 min

Lab File: VU029063.D

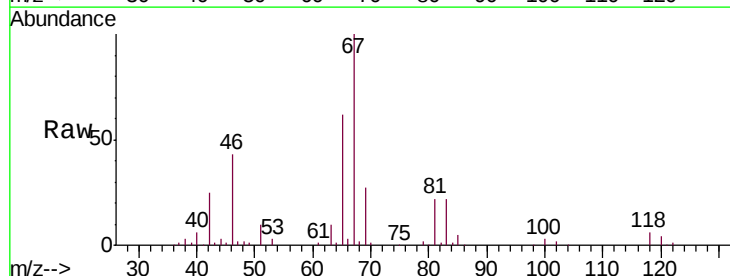
Acq: 07 Jan 2019 17:27

Tgt Ion: 63 Resp: 8060

Ion Ratio Lower Upper

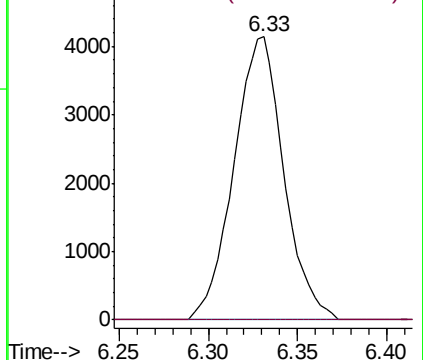
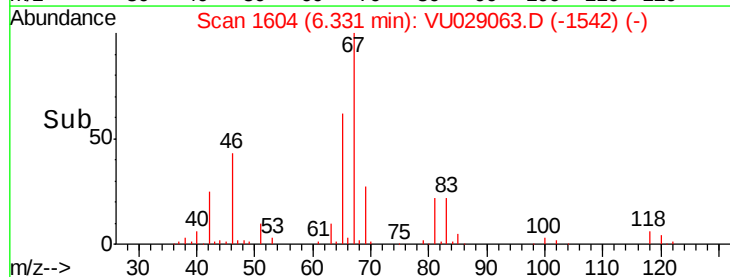
63 100

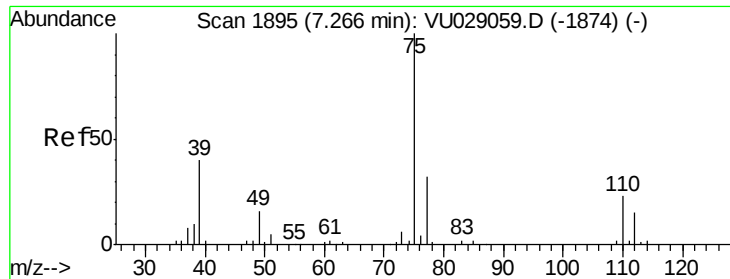
112 0.0 2.7 4.1#



Abundance Ion 63.00 (62.70 to 63.70): VU0

Ion 112.00 (111.70 to 112.70): V

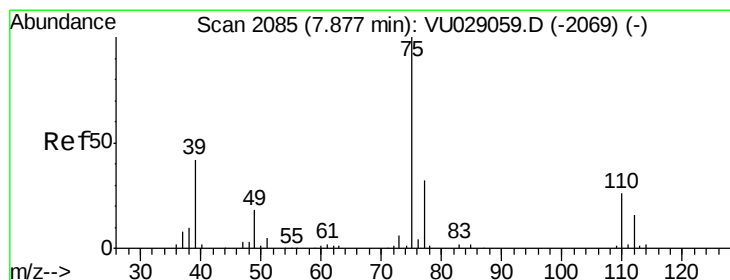
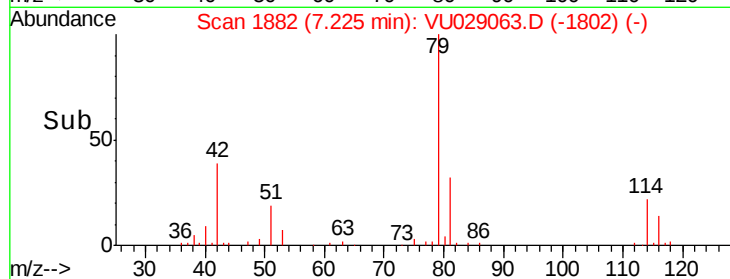
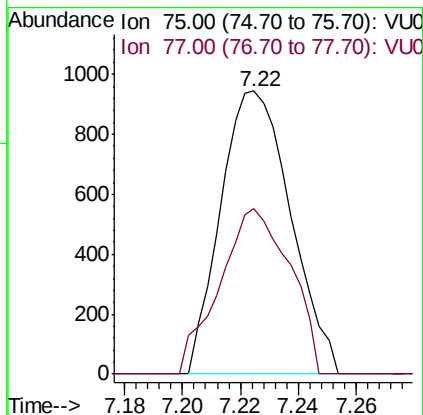
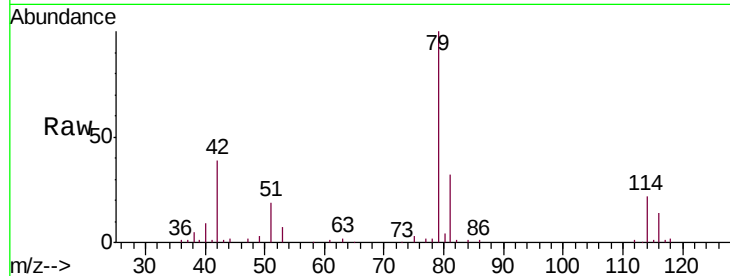




#39
 cis-1,3-Dichloropropene
 Concen: 0.702 ug/L
 RT: 7.22 min Scan# 1882
 Delta R.T. -0.04 min
 Lab File: VU029063.D
 Acq: 07 Jan 2019 17:27

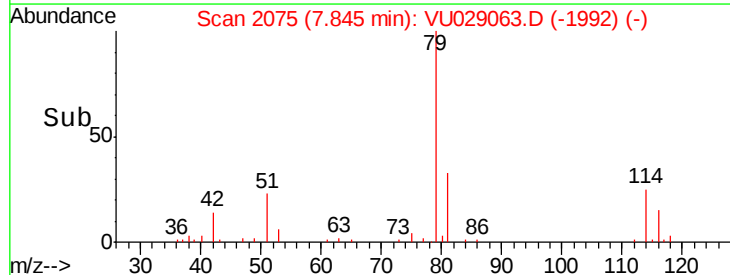
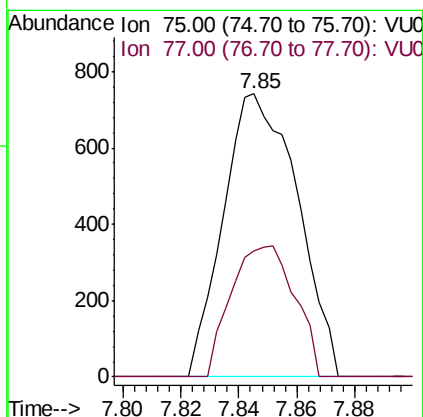
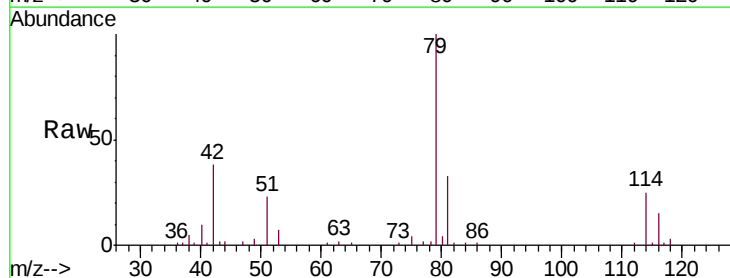
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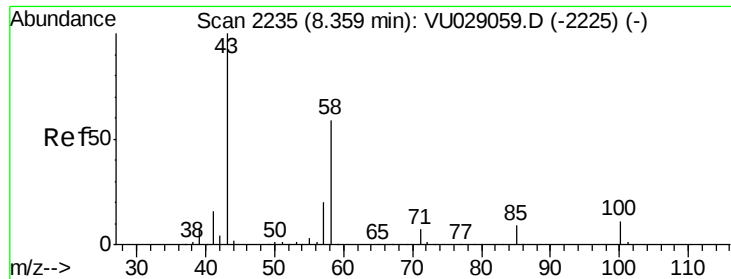
Tgt Ion: 75 Resp: 1582
 Ion Ratio Lower Upper
 75 100
 77 58.6 21.8 40.6#



#44
 trans-1,3-Dichloropropene
 Concen: 0.654 ug/L
 RT: 7.85 min Scan# 2075
 Delta R.T. -0.03 min
 Lab File: VU029063.D
 Acq: 07 Jan 2019 17:27

Tgt Ion: 75 Resp: 1314
 Ion Ratio Lower Upper
 75 100
 77 44.5 21.8 40.6#

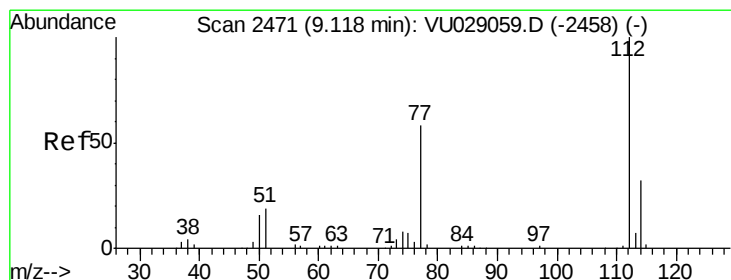
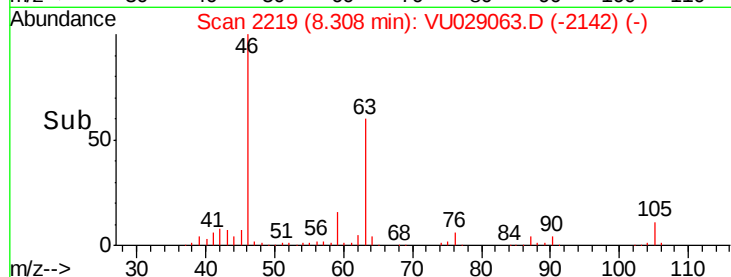
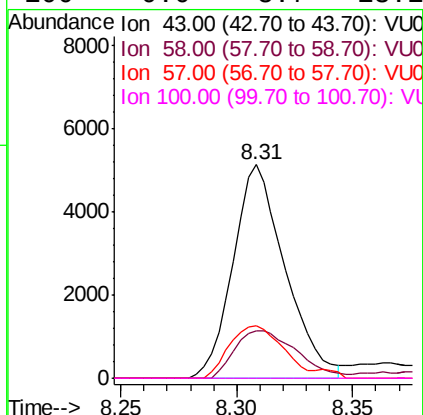
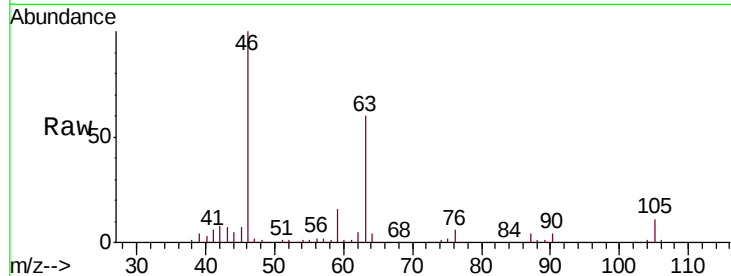




#48
2-Hexanone
Concen: 4.593 ug/L
RT: 8.31 min Scan# 2219
Delta R.T. -0.05 min
Lab File: VU029063.D
Acq: 07 Jan 2019 17:27

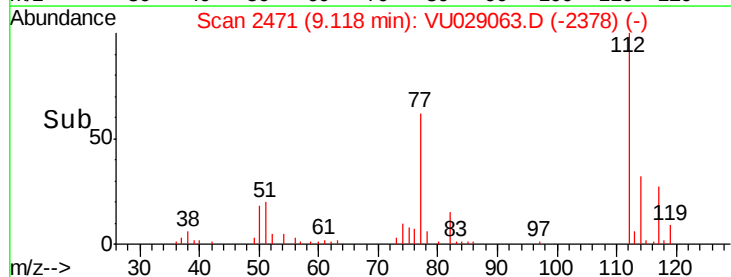
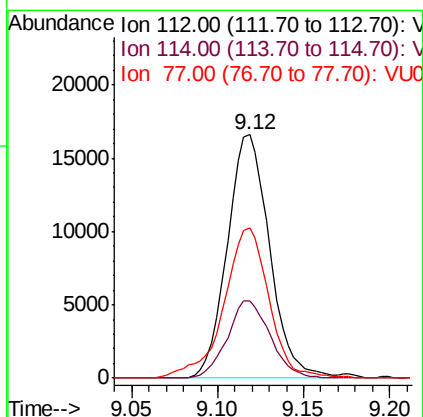
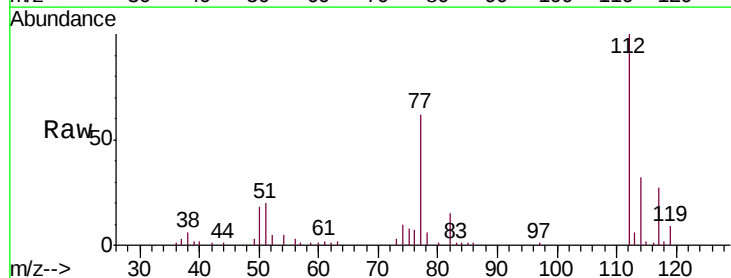
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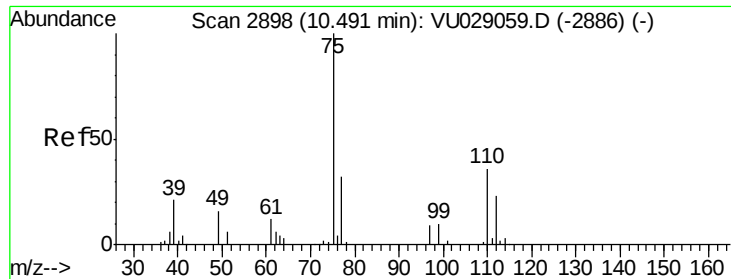
Tgt Ion: 43 Resp: 8011
Ion Ratio Lower Upper
43 100
58 26.4 45.9 68.9#
57 25.6 15.0 22.4#
100 0.0 8.7 13.1#



#51
Chlorobenzene
Concen: 7.898 ug/L
RT: 9.12 min Scan# 2471
Delta R.T. 0.00 min
Lab File: VU029063.D
Acq: 07 Jan 2019 17:27

Tgt Ion: 112 Resp: 28541
Ion Ratio Lower Upper
112 100
114 31.7 22.2 41.2
77 61.9 47.8 71.8

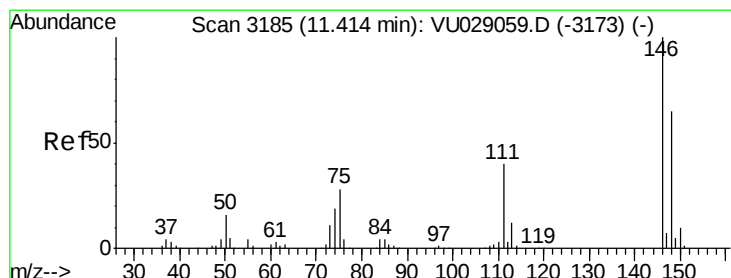
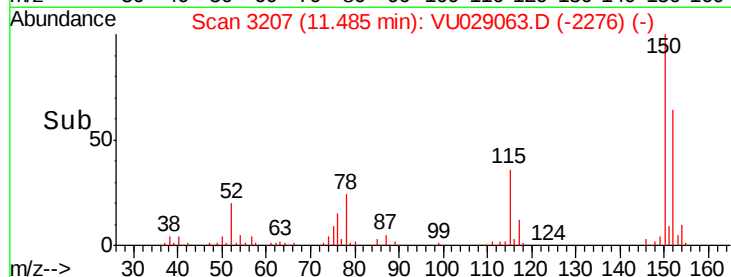
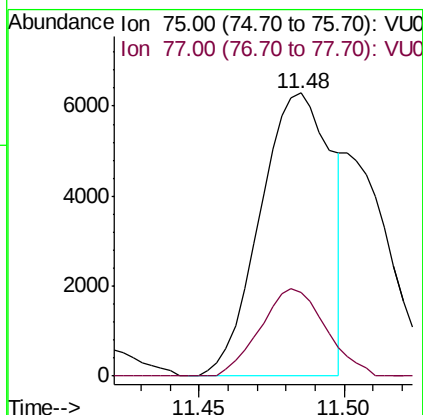
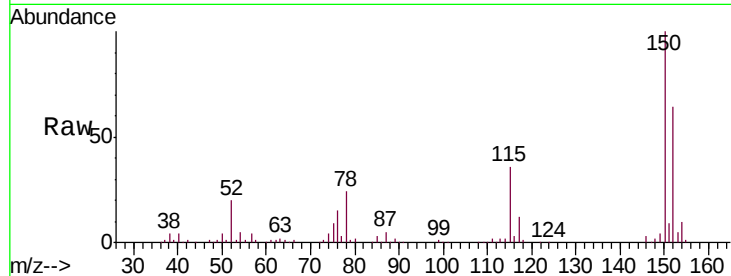




#59
 1,2,3-Trichloropropane
 Concen: 5.703 ug/L
 RT: 11.48 min Scan# 3207
 Delta R.T. 0.99 min
 Lab File: VU029063.D
 Acq: 07 Jan 2019 17:27

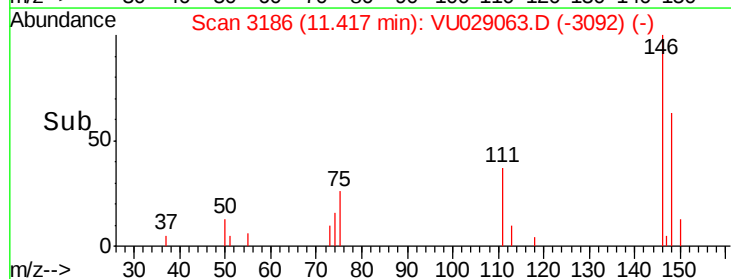
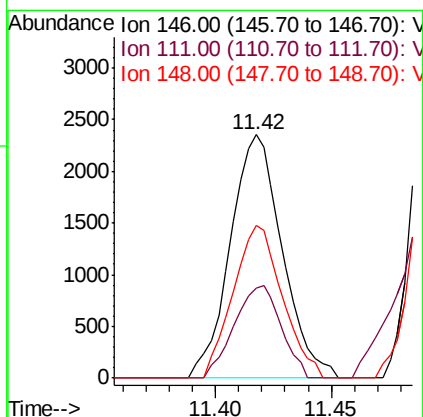
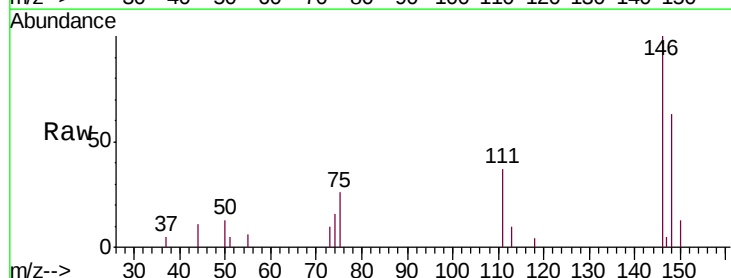
Instrument :
 MSVOA_U
 ClientSampleId :
 C0945DL

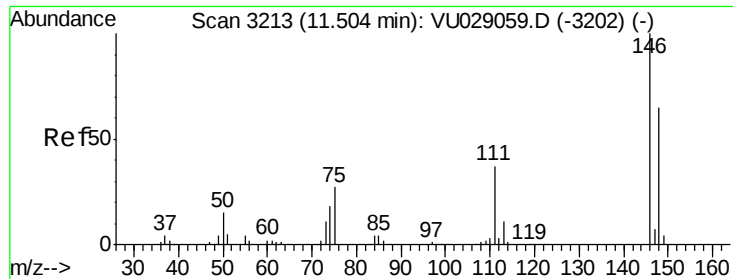
Tgt Ion: 75 Resp: 10761
 Ion Ratio Lower Upper
 75 100
 77 28.3 25.5 38.3



#62
 1,3-Dichlorobenzene
 Concen: 1.571 ug/L
 RT: 11.42 min Scan# 3186
 Delta R.T. 0.00 min
 Lab File: VU029063.D
 Acq: 07 Jan 2019 17:27

Tgt Ion: 146 Resp: 3653
 Ion Ratio Lower Upper
 146 100
 111 37.1 27.4 50.8
 148 62.9 44.2 82.2

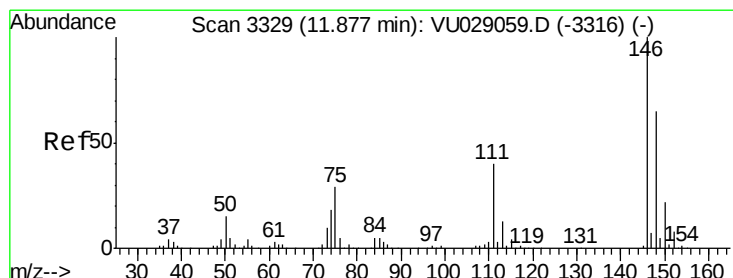
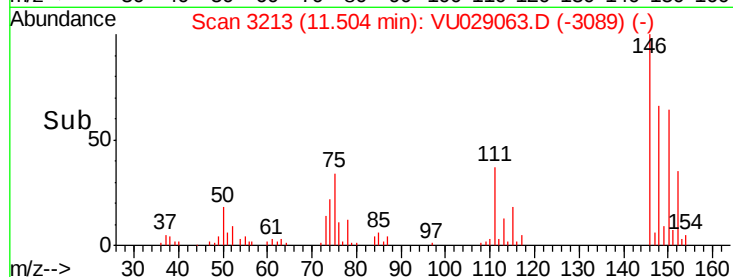
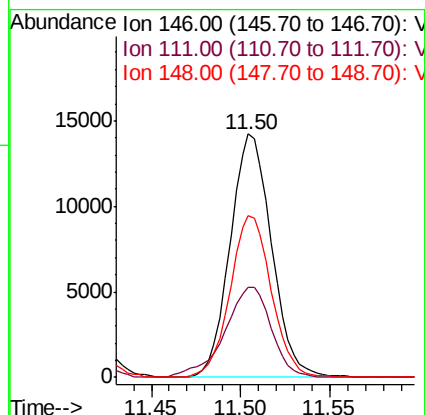
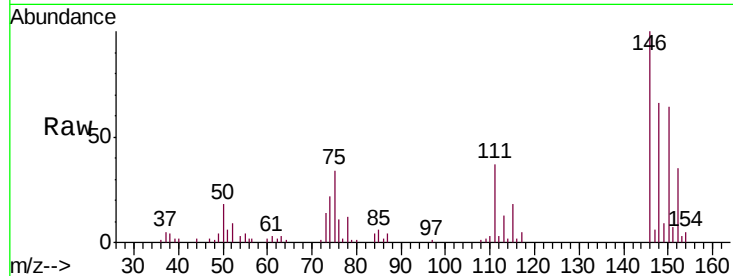




#63
 1,4-Dichlorobenzene
 Concen: 9.570 ug/L
 RT: 11.50 min Scan# 3213
 Delta R.T. 0.00 min
 Lab File: VU029063.D
 Acq: 07 Jan 2019 17:27

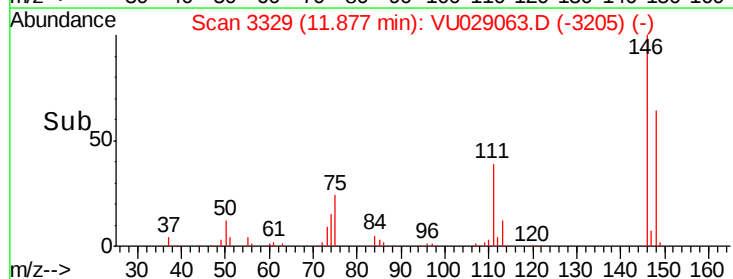
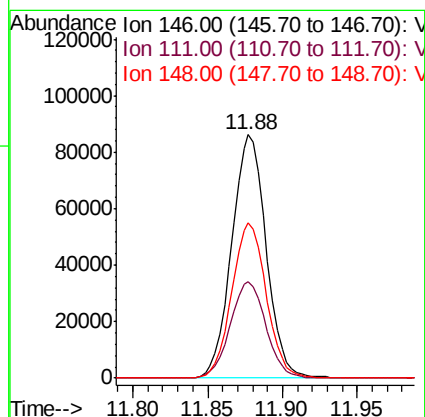
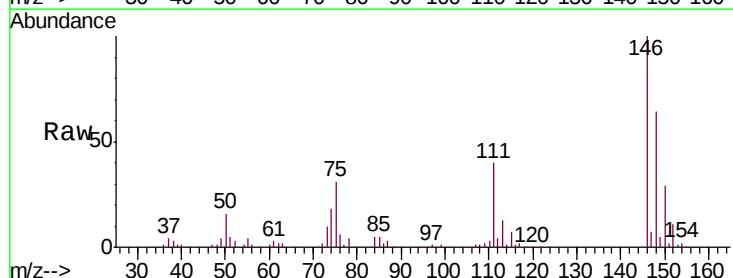
Instrument :
 MSVOA_U
 ClientSampleId :
 C0945DL

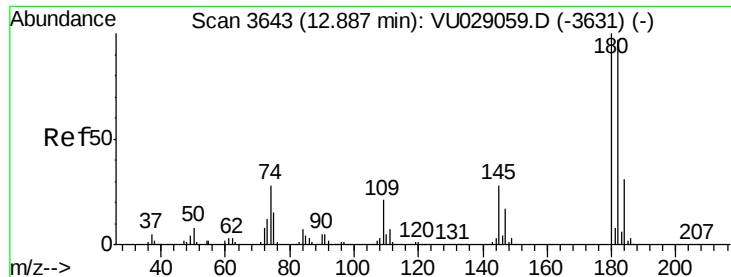
Tgt Ion:146 Resp: 22922
 Ion Ratio Lower Upper
 146 100
 111 37.2 26.5 49.1
 148 66.4 45.1 83.9



#65
 1,2-Dichlorobenzene
 Concen: 57.029 ug/L
 RT: 11.88 min Scan# 3329
 Delta R.T. 0.00 min
 Lab File: VU029063.D
 Acq: 07 Jan 2019 17:27

Tgt Ion:146 Resp: 138302
 Ion Ratio Lower Upper
 146 100
 111 39.7 32.1 48.1
 148 63.8 49.7 74.5

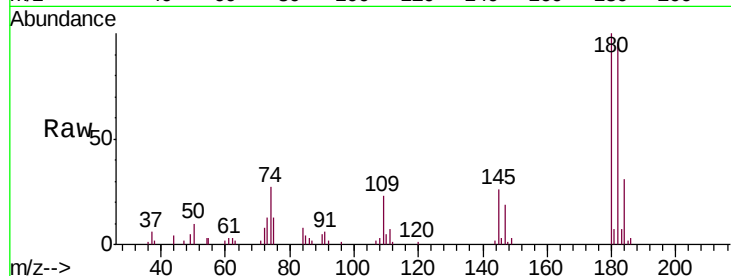




#67
 1,3,5-Trichlorobenzene
 Concen: 10.879 ug/L
 RT: 13.50 min Scan# 3834
 Delta R.T. 0.61 min
 Lab File: VU029063.D
 Acq: 07 Jan 2019 17:27

Instrument :
 MSVOA_U
 ClientSampleId :
 C0945DL

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.0	76.4	114.6
184	29.8	24.6	36.8
145	28.1	22.1	33.1



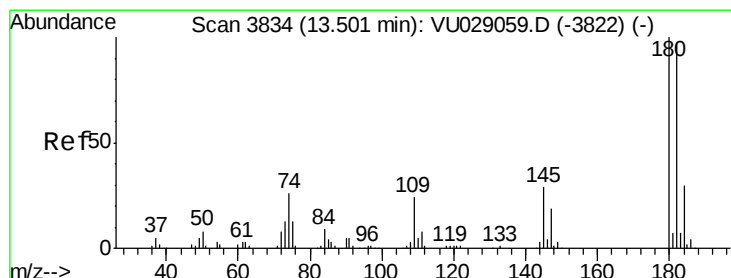
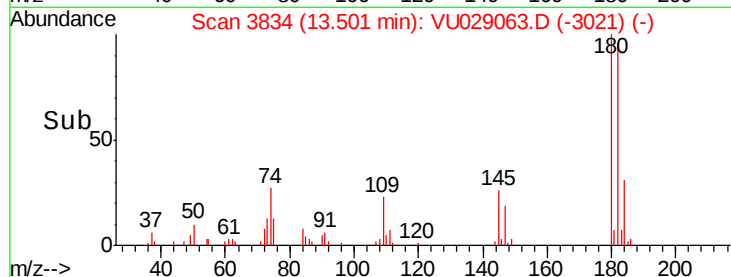
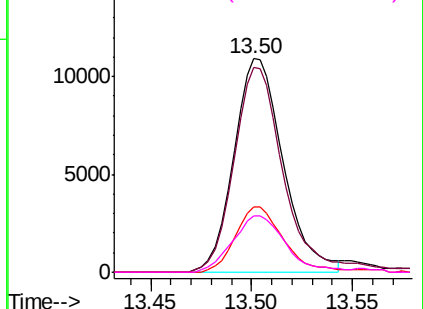
Abundance

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: 12.992 ug/L
 RT: 13.50 min Scan# 3834
 Delta R.T. 0.00 min
 Lab File: VU029063.D
 Acq: 07 Jan 2019 17:27

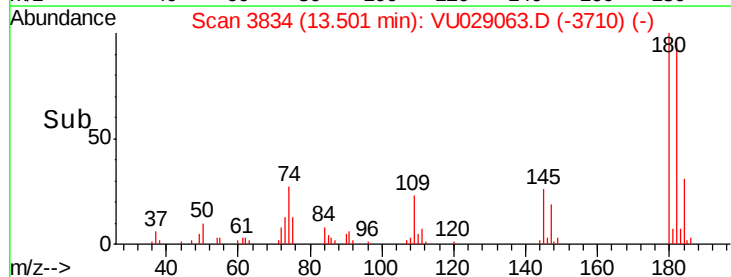
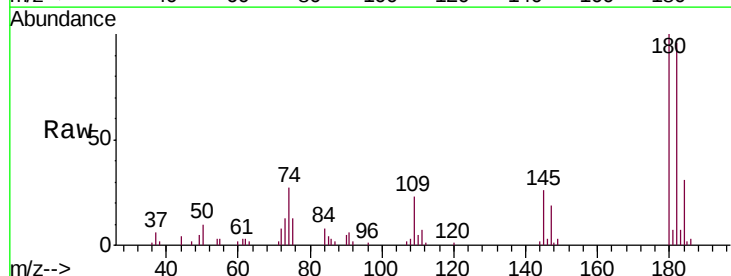
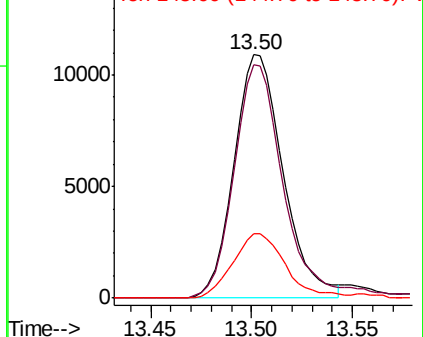
Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.0	77.4	116.0
145	28.1	23.5	35.3

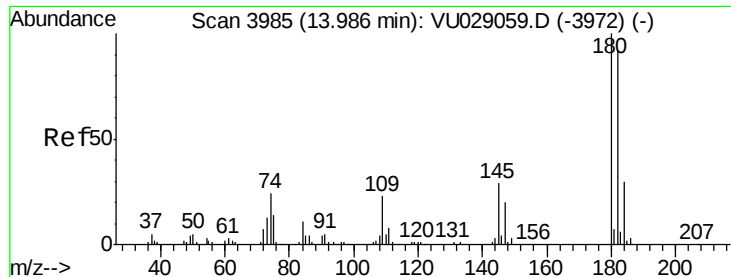
Abundance

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

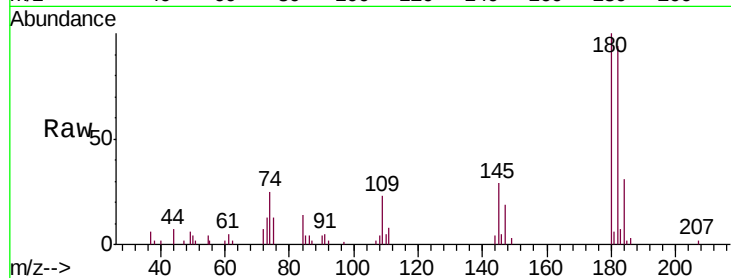




#70
 1,2,3-Trichlorobenzene
 Concen: 9.353 ug/L
 RT: 13.99 min Scan# 3985
 Delta R.T. 0.00 min
 Lab File: VU029063.D
 Acq: 07 Jan 2019 17:27

Instrument :
 MSVOA_U
 ClientSampleId :
 C0945DL

Tgt Ion	Resp	Lower	Upper
180	14476		
182	90.7	75.8	113.8
145	26.9	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

