

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120718\
 Data File : VU028536.D
 Acq On : 07 Dec 2018 16:56
 Operator : MD/SY
 Sample : J6238-04
 Misc : 5.98g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BE7Z5

Quant Time: Dec 07 22:58:11 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM120718WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 07 22:52:51 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	141733	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	143665	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	75834	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	56769	44.57	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	89.14%
7) Chloroethane-d5	1.64	69	51619	52.92	ug/L	-0.04
Spiked Amount	50.000	Range	70 - 130	Recovery	=	105.84%
11) 1,1-Dichloroethene-d2	2.24	63	76326	33.80	ug/L	-0.04
Spiked Amount	50.000	Range	60 - 125	Recovery	=	67.60%
21) 2-Butanone-d5	4.19	46	103169	99.58	ug/L	0.02
Spiked Amount	100.000	Range	40 - 130	Recovery	=	99.58%
24) Chloroform-d	4.64	84	92041	45.06	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.12%
26) 1,2-Dichloroethane-d4	5.30	65	63984	46.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.26%
32) Benzene-d6	5.33	84	196765	44.16	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.32%
36) 1,2-Dichloropropane-d6	6.33	67	70993	44.18	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	88.36%
41) Toluene-d8	7.56	98	174049	43.10	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.20%
43) trans-1,3-Dichloropropene-	7.85	79	33613	46.19	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.38%
47) 2-Hexanone-d5	8.32	63	79944	103.35	ug/L	0.01
Spiked Amount	100.000	Range	45 - 130	Recovery	=	103.35%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	104129	50.65	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.30%
64) 1,2-Dichlorobenzene-d4	11.86	152	72127	47.60	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.20%

Target Compounds

					Qvalue
3) Chloromethane	1.32	50	5038	2.800 ug/L	97
6) Bromomethane	1.60	94	1347	3.070 ug/L	89
10) 1,1,2-Trichloro-1,2,2-trif	2.24	101	577	0.624 ug/L #	21
12) 1,1-Dichloroethene	2.24	96	545	0.615 ug/L #	1
13) Acetone	2.34	43	1942	1.801 ug/L	84
15) Methyl Acetate	2.63	43	2553	1.613 ug/L #	91
16) Methylene chloride	2.68	84	1469	1.281 ug/L	100
27) 1,2-Dichloroethane	5.33	62	1064	0.645 ug/L #	76
33) Benzene	5.38	78	4645	0.949 ug/L	100
37) 1,2-Dichloropropane	6.33	63	7295	5.029 ug/L #	91
39) cis-1,3-Dichloropropene	7.22	75	1874	0.909 ug/L #	58
44) trans-1,3-Dichloropropene	7.85	75	1200	0.635 ug/L	85
48) 2-Hexanone	8.32	43	9713	5.088 ug/L #	66
51) Chlorobenzene	9.12	112	972041	327.456 ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	29185	11.900 ug/L	98
63) 1,4-Dichlorobenzene	11.51	146	117602	47.570 ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	94314	38.666 ug/L	99

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU120718\
Data File : VU028536.D
Acq On : 07 Dec 2018 16:56
Operator : MD/SY
Sample : J6238-04
Misc : 5.98g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BE7Z5

Quant Time: Dec 07 22:58:11 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM120718WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Dec 07 22:52:51 2018
Response via : Initial Calibration

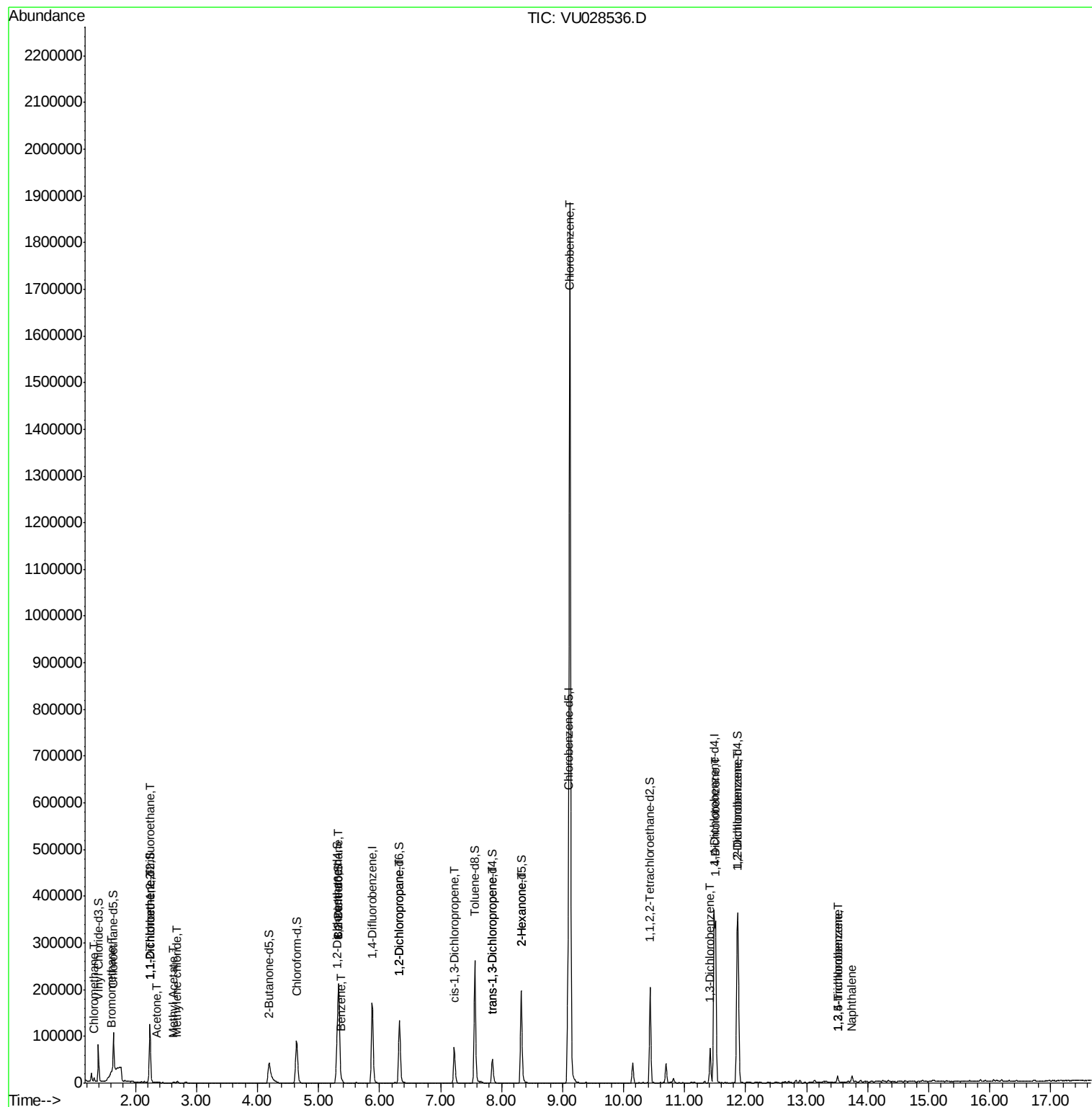
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
67) 1,3,5-Trichlorobenzene	13.50	180	4379	2.418	ug/L	97
68) 1,2,4-trichlorobenzene	13.50	180	4379	2.598	ug/L	98
69) Naphthalene	13.75	128	11217	1.931	ug/L	98

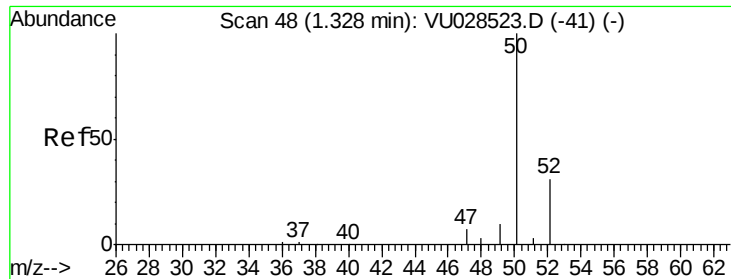
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU120718\
Data File : VU028536.D
Acq On : 07 Dec 2018 16:56
Operator : MD/SY
Sample : J6238-04
Misc : 5.98g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BE7Z5

Quant Time: Dec 07 22:58:11 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM120718WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Dec 07 22:52:51 2018
Response via : Initial Calibration





#3

Chloromethane

Concen: 2.800 ug/L

RT: 1.32 min Scan# 46

Delta R.T. -0.01 min

Lab File: VU028536.D

Acq: 07 Dec 2018 16:56

Instrument :

MSVOA_U

ClientSampleId :

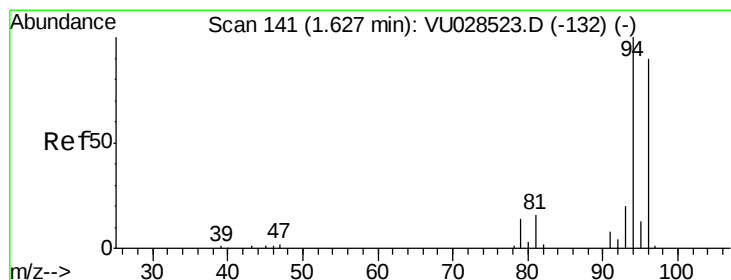
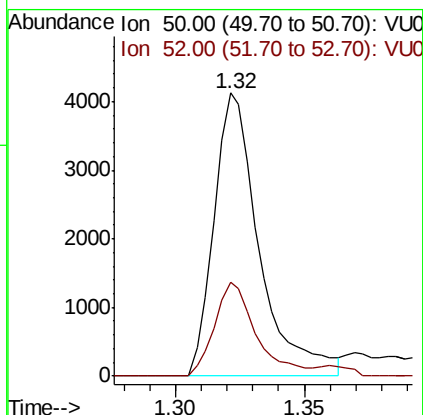
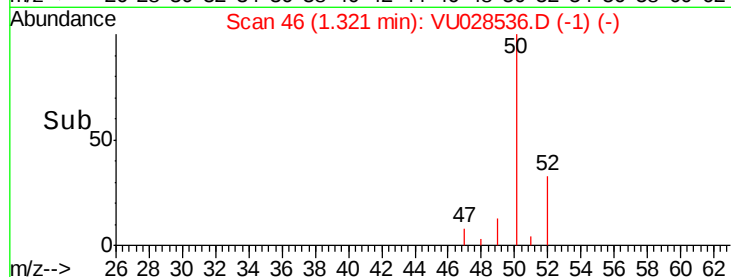
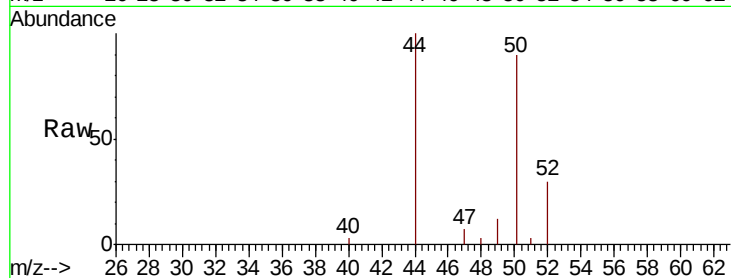
BE7Z5

Tgt Ion: 50 Resp: 5038

Ion Ratio Lower Upper

50 100

52 33.1 22.0 41.0



#6

Bromomethane

Concen: 3.070 ug/L

RT: 1.60 min Scan# 132

Delta R.T. -0.03 min

Lab File: VU028536.D

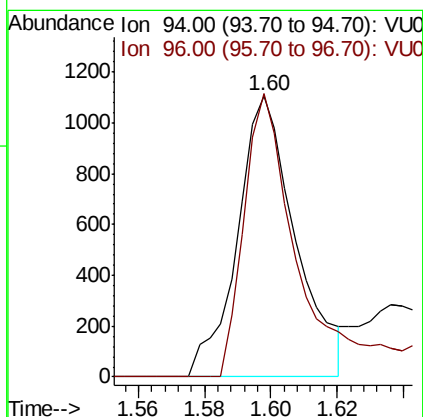
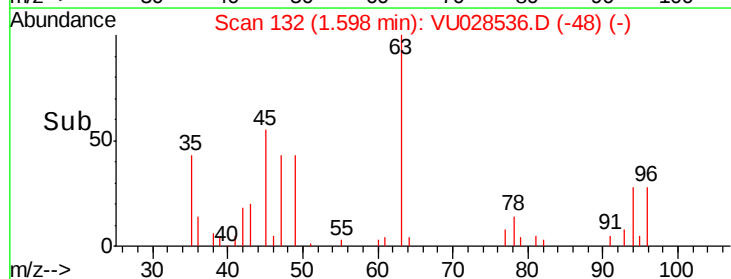
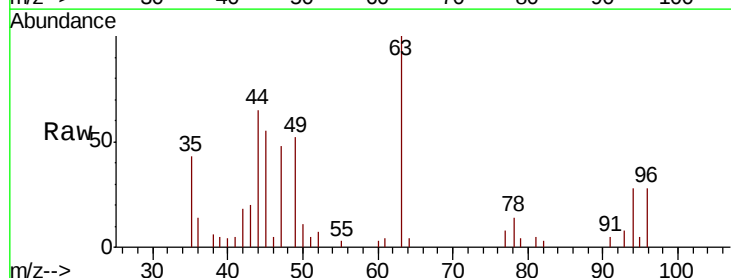
Acq: 07 Dec 2018 16:56

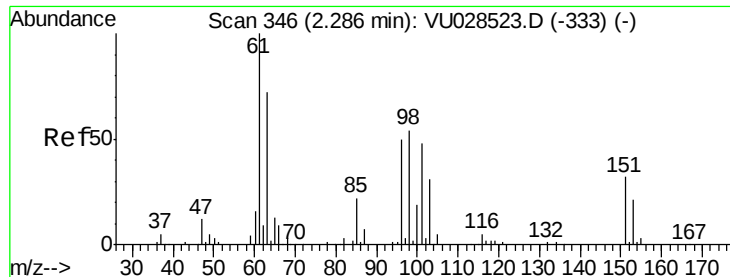
Tgt Ion: 94 Resp: 1347

Ion Ratio Lower Upper

94 100

96 100.7 62.9 116.9





#10

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

Concen: 0.624 ug/L

RT: 2.24 min Scan# 332

Delta R.T. -0.05 min

Lab File: VU028536.D

Acq: 07 Dec 2018 16:56

Instrument :

MSVOA_U

ClientSampleId :

BE7Z5

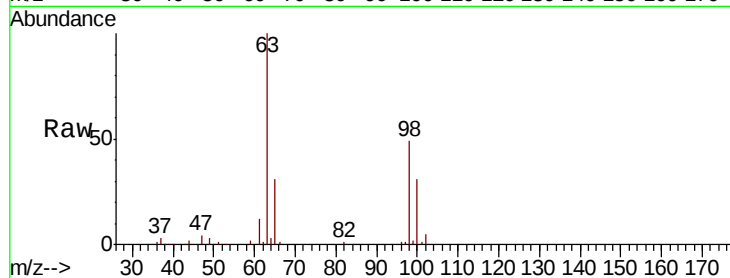
Tgt Ion:101 Resp: 577

Ion Ratio Lower Upper

101 100

85 0.0 36.8 55.2#

151 0.0 55.8 83.8#



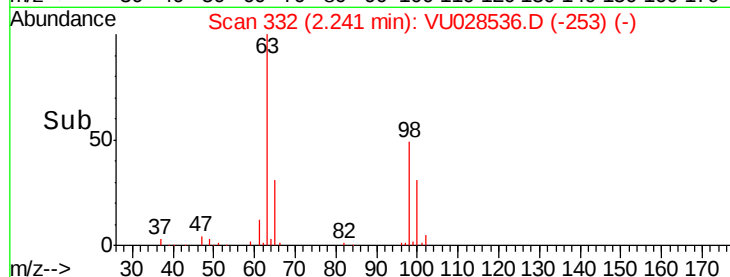
Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

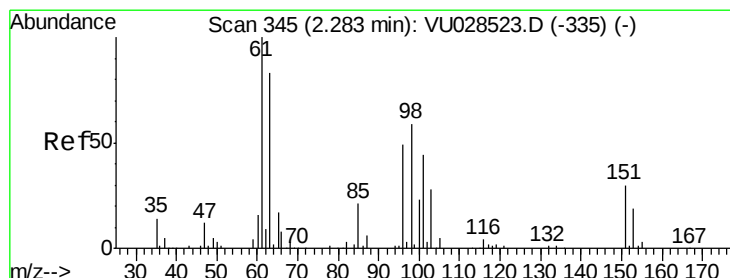
Ion 151.00 (150.70 to 151.70): V

2.24

2.22 2.24 2.26



Time-->



#12

1,1-Dichloroethene

Concen: 0.615 ug/L

RT: 2.24 min Scan# 331

Delta R.T. -0.05 min

Lab File: VU028536.D

Acq: 07 Dec 2018 16:56

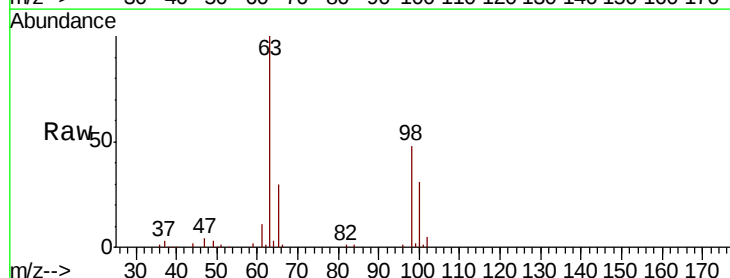
Tgt Ion: 96 Resp: 545

Ion Ratio Lower Upper

96 100

61 1437.3 143.2 266.0#

63 12900.8 130.1 241.7#



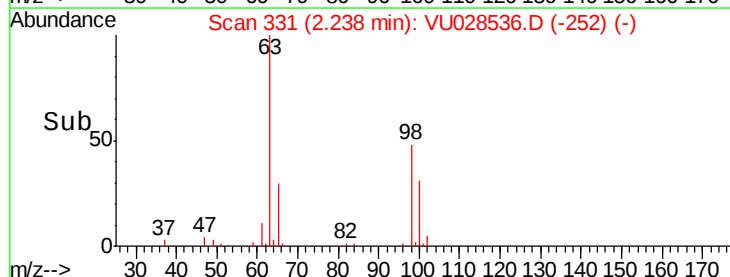
Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

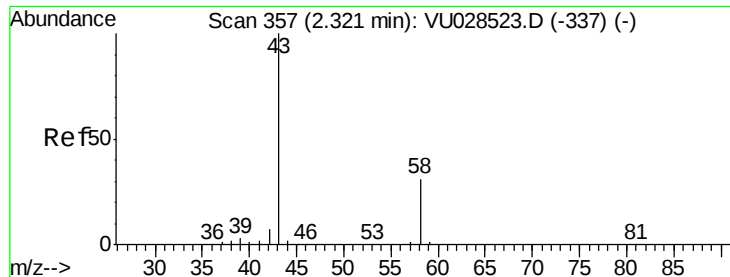
Ion 63.00 (62.70 to 63.70): VU0

2.24

2.22 2.24 2.26



Time-->



#13

Acetone

Concen: 1.801 ug/L

RT: 2.34 min Scan# 364

Delta R.T. 0.02 min

Lab File: VU028536.D

Acq: 07 Dec 2018 16:56

Instrument :

MSVOA_U

ClientSampleId :

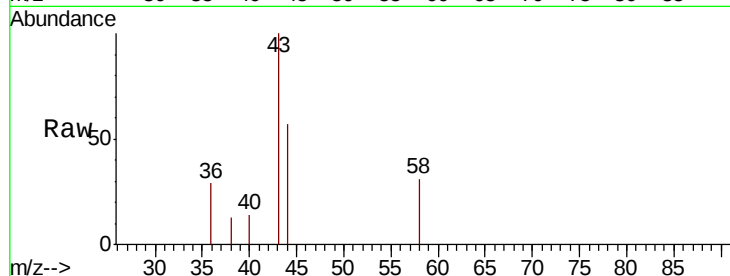
BE7Z5

Tgt Ion: 43 Resp: 1942

Ion Ratio Lower Upper

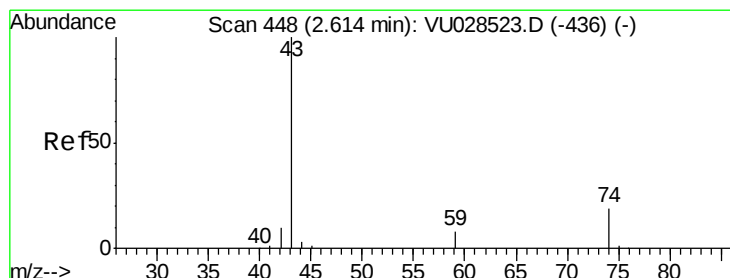
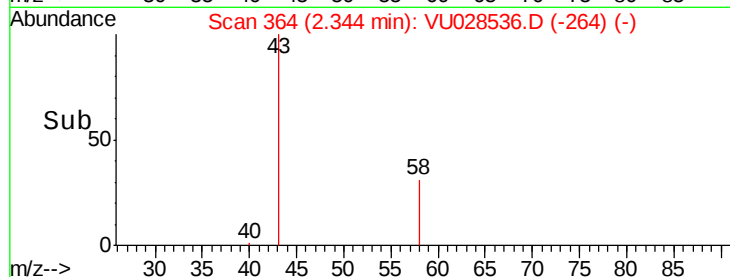
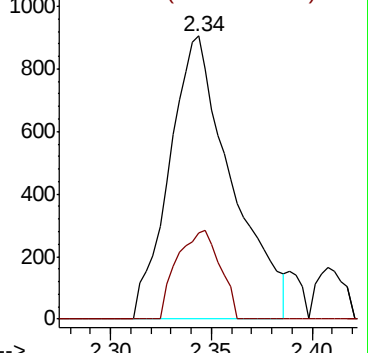
43 100

58 22.0 0.0 62.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#15

Methyl Acetate

Concen: 1.613 ug/L

RT: 2.63 min Scan# 452

Delta R.T. 0.01 min

Lab File: VU028536.D

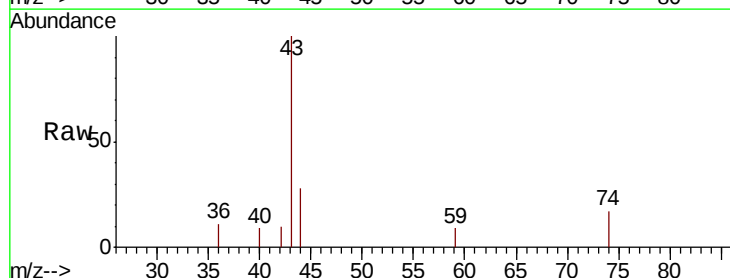
Acq: 07 Dec 2018 16:56

Tgt Ion: 43 Resp: 2553

Ion Ratio Lower Upper

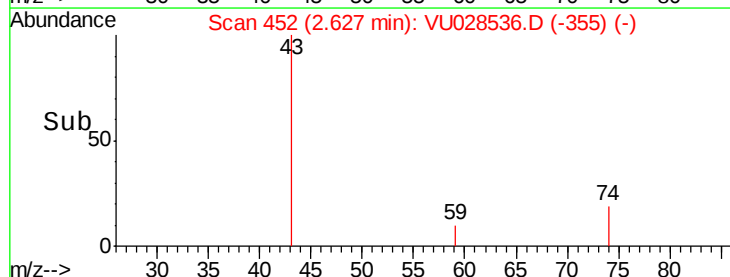
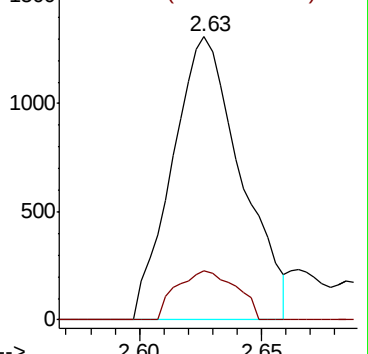
43 100

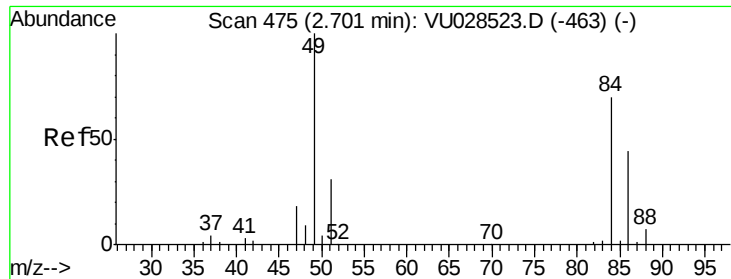
74 15.2 15.4 23.0#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0

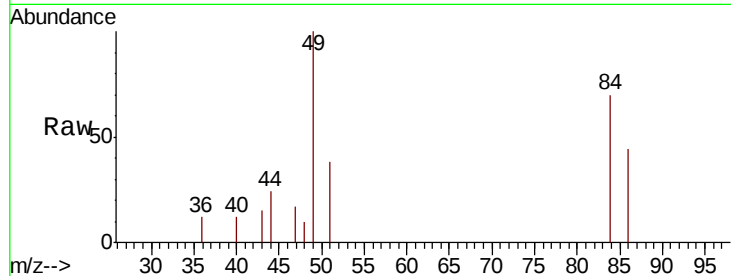




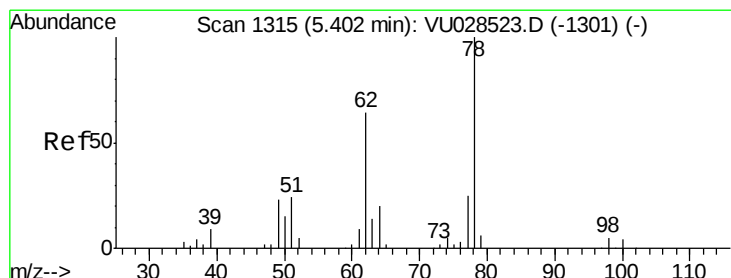
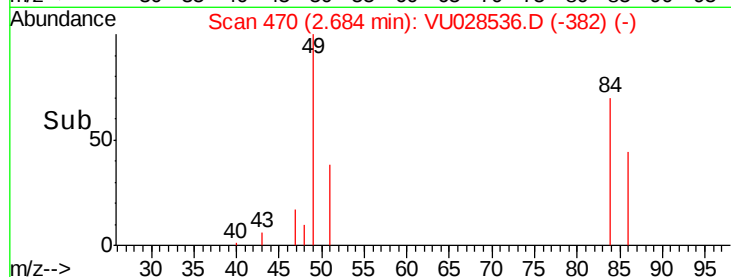
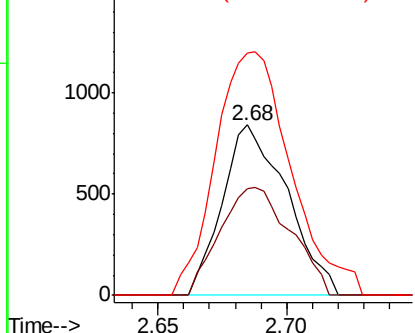
#16
Methylene chloride
Concen: 1.281 ug/L
RT: 2.68 min Scan# 470
Delta R.T. -0.02 min
Lab File: VU028536.D
Acq: 07 Dec 2018 16:56

Instrument :
MSVOA_U
ClientSampleId :
BE7Z5

Tgt Ion: 84 Resp: 1469
Ion Ratio Lower Upper
84 100
86 62.9 44.3 82.3
49 142.6 100.0 185.6

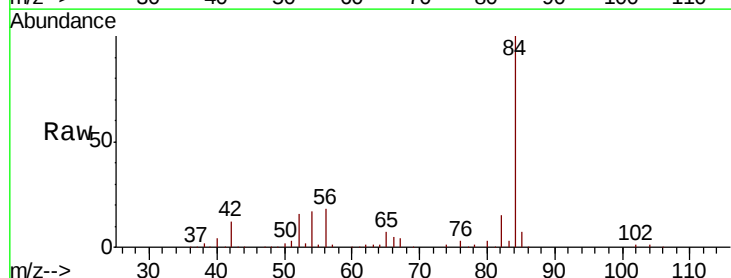


Abundance Ion 84.00 (83.70 to 84.70): VU0
Ion 86.00 (85.70 to 86.70): VU0
Ion 49.00 (48.70 to 49.70): VU0

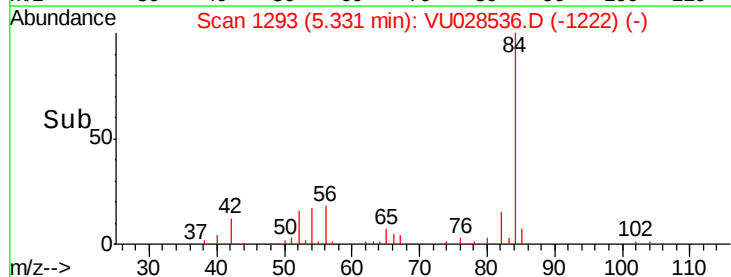
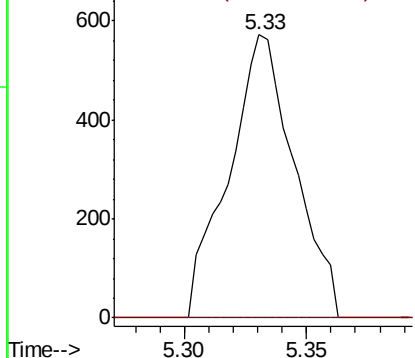


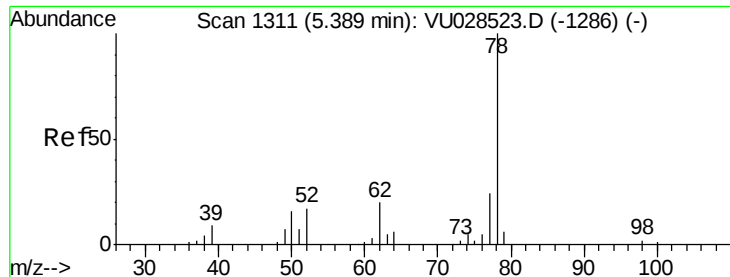
#27
1,2-Dichloroethane
Concen: 0.645 ug/L
RT: 5.33 min Scan# 1293
Delta R.T. -0.07 min
Lab File: VU028536.D
Acq: 07 Dec 2018 16:56

Tgt Ion: 62 Resp: 1064
Ion Ratio Lower Upper
62 100
98 0.0 6.7 10.1#



Abundance Ion 62.00 (61.70 to 62.70): VU0
Ion 98.00 (97.70 to 98.70): VU0





#33

Benzene

Concen: 0.949 ug/L

RT: 5.38 min Scan# 1308

Delta R.T. -0.01 min

Lab File: VU028536.D

Acq: 07 Dec 2018 16:56

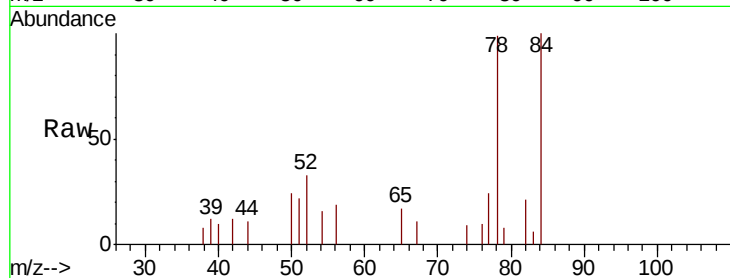
Instrument :

MSVOA_U

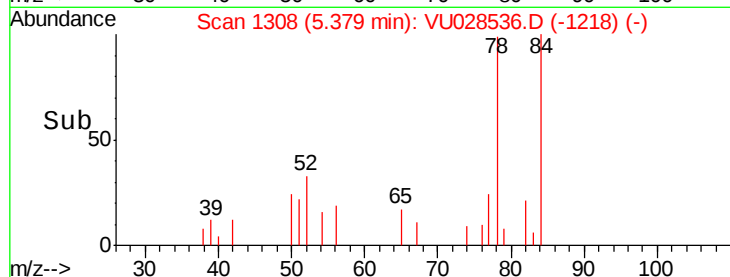
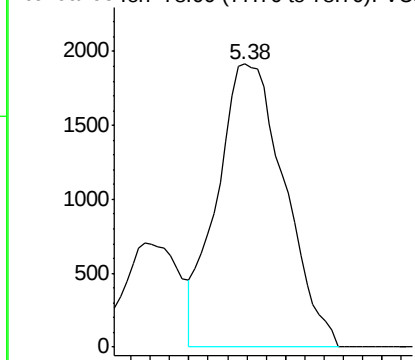
ClientSampled :

BE7Z5

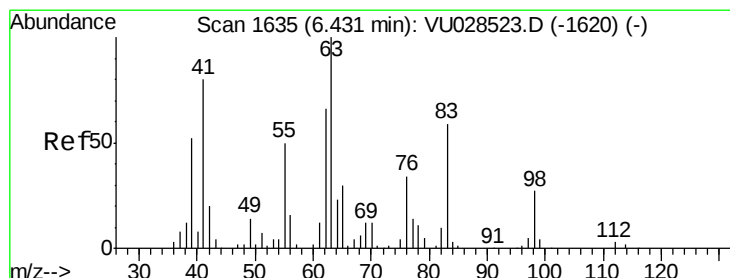
Tgt Ion: 78 Resp: 4645



Abundance Ion 78.00 (77.70 to 78.70): VU0



Time-->



#37

1,2-Dichloropropane

Concen: 5.029 ug/L

RT: 6.33 min Scan# 1603

Delta R.T. -0.10 min

Lab File: VU028536.D

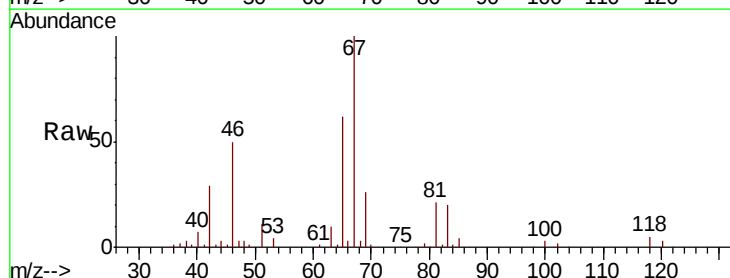
Acq: 07 Dec 2018 16:56

Tgt Ion: 63 Resp: 7295

Ion Ratio Lower Upper

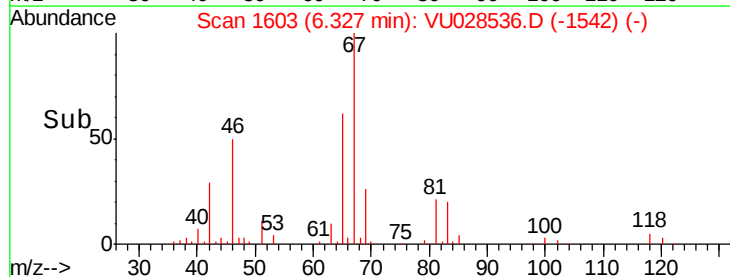
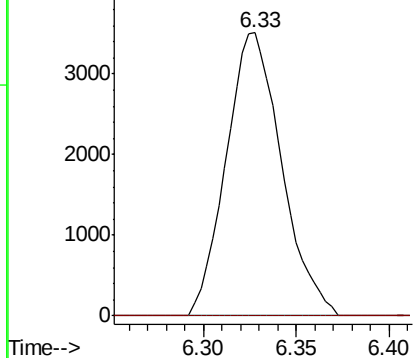
63 100

112 0.0 2.4 3.6#

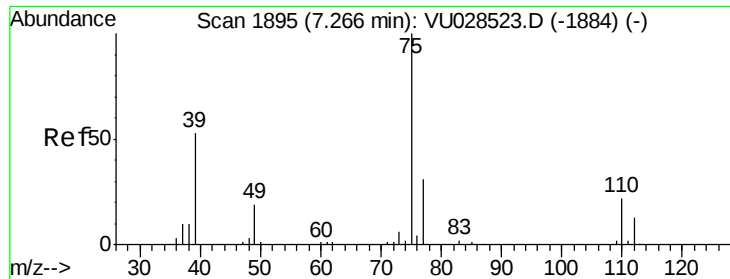


Abundance Ion 63.00 (62.70 to 63.70): VU0

Ion 112.00 (111.70 to 112.70): V



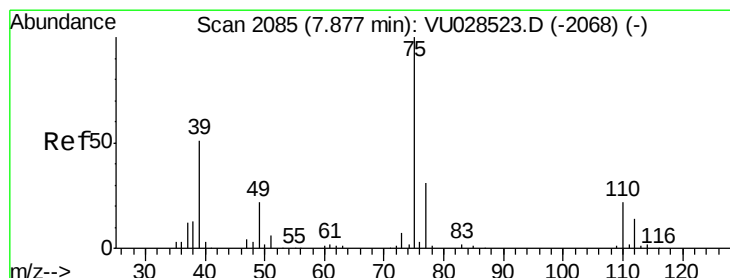
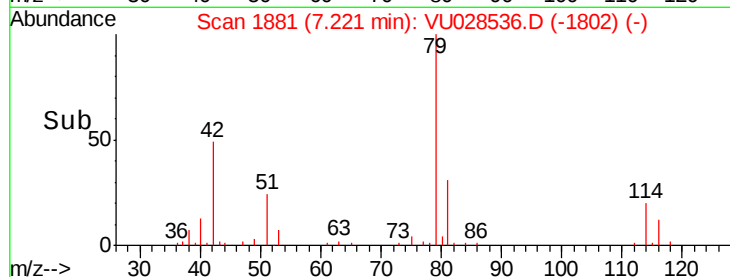
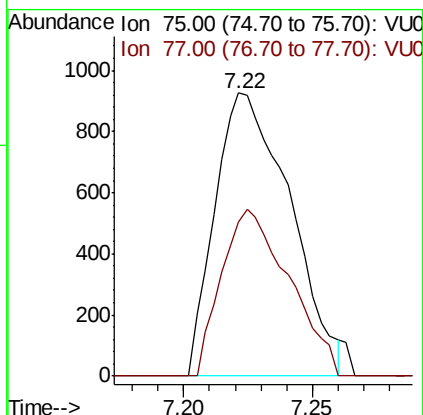
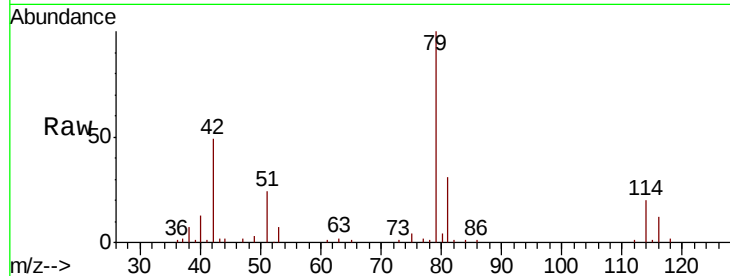
Time-->



#39
 cis-1,3-Dichloropropene
 Concen: 0.909 ug/L
 RT: 7.22 min Scan# 1881
 Delta R.T. -0.05 min
 Lab File: VU028536.D
 Acq: 07 Dec 2018 16:56

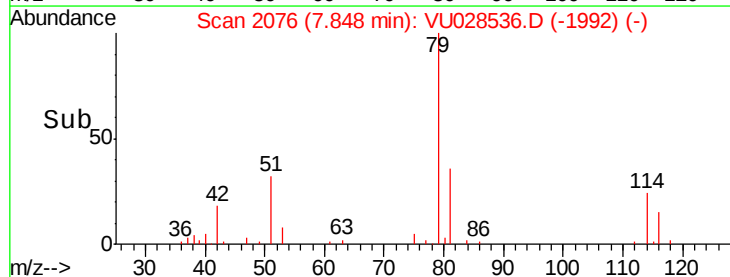
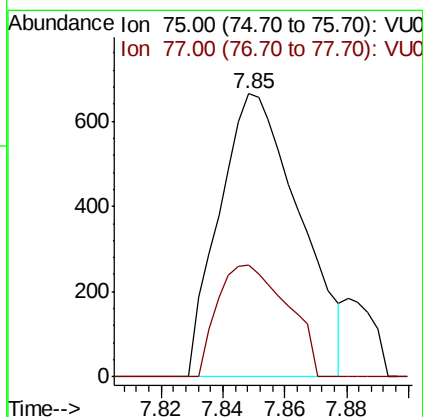
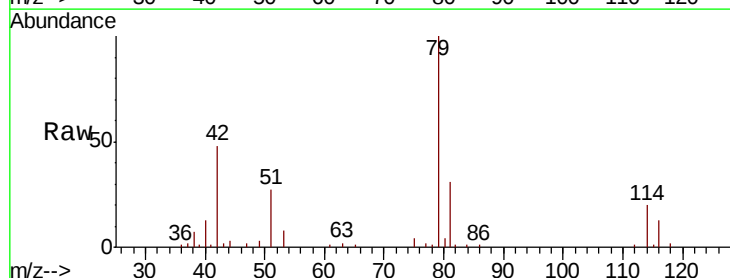
Instrument :
 MSVOA_U
 ClientSampleID :
 BE7Z5

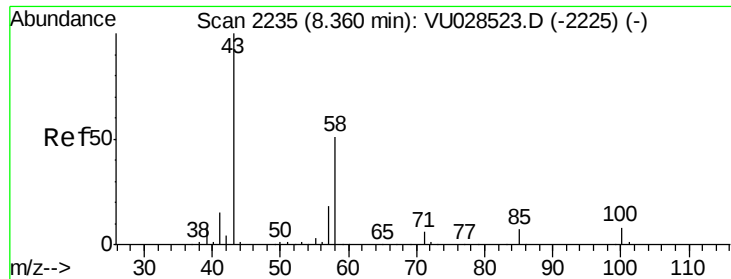
Tgt Ion: 75 Resp: 1874
 Ion Ratio Lower Upper
 75 100
 77 54.4 21.8 40.6#



#44
 trans-1,3-Dichloropropene
 Concen: 0.635 ug/L
 RT: 7.85 min Scan# 2076
 Delta R.T. -0.03 min
 Lab File: VU028536.D
 Acq: 07 Dec 2018 16:56

Tgt Ion: 75 Resp: 1200
 Ion Ratio Lower Upper
 75 100
 77 39.5 21.8 40.6

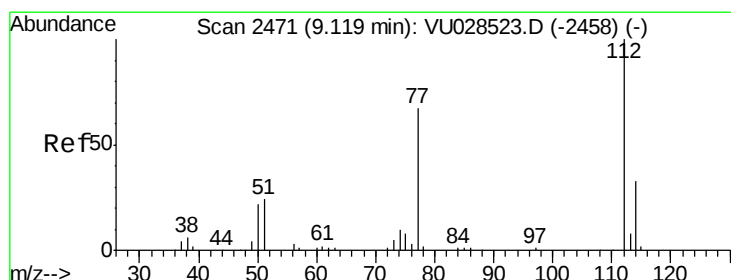
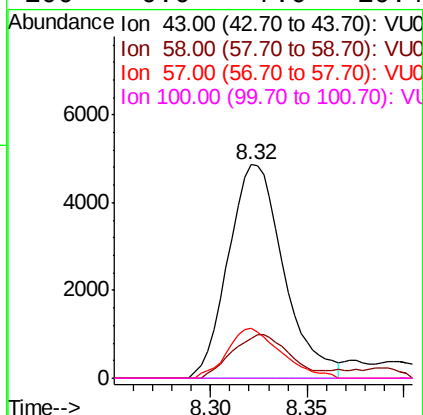
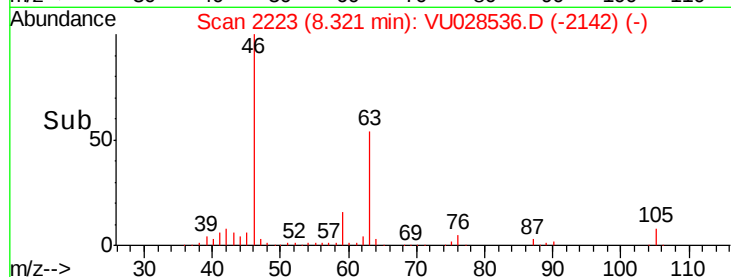
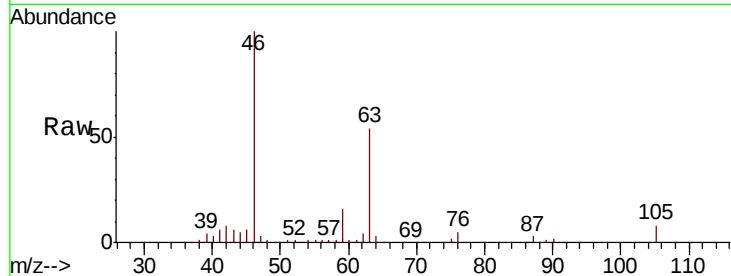




#48
2-Hexanone
Concen: 5.088 ug/L
RT: 8.32 min Scan# 2223
Delta R.T. -0.04 min
Lab File: VU028536.D
Acq: 07 Dec 2018 16:56

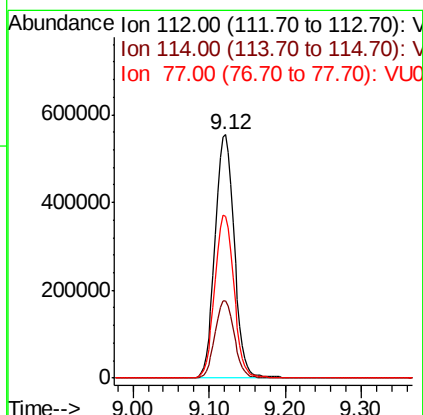
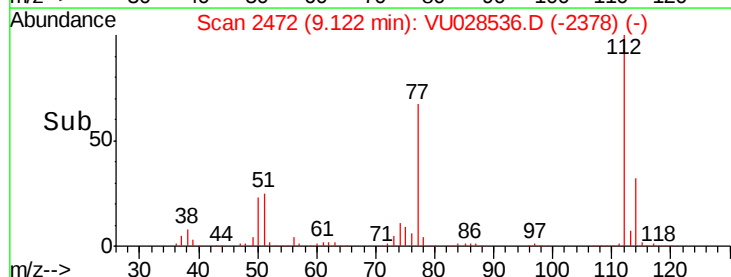
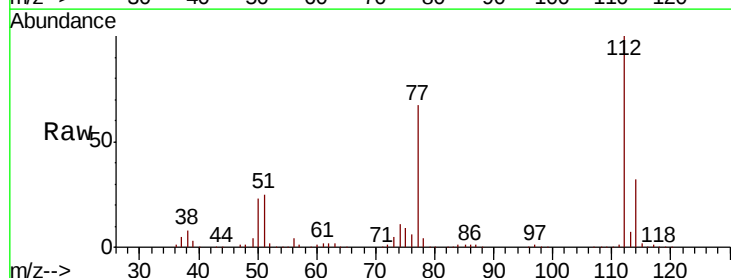
Instrument :
MSVOA_U
ClientSampleId :
BE7Z5

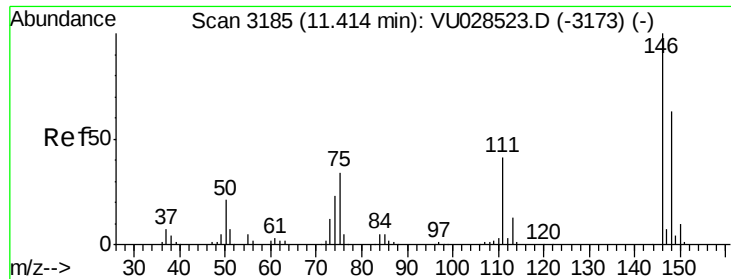
Tgt Ion:	43	Resp:	9713
Ion	Ratio	Lower	Upper
43	100		
58	21.4	41.6	62.4#
57	22.6	13.8	20.6#
100	0.0	7.0	10.4#



#51
Chlorobenzene
Concen: 327.456 ug/L
RT: 9.12 min Scan# 2472
Delta R.T. 0.00 min
Lab File: VU028536.D
Acq: 07 Dec 2018 16:56

Tgt Ion:	112	Resp:	972041
Ion	Ratio	Lower	Upper
112	100		
114	31.9	23.0	42.6
77	66.6	53.9	80.9

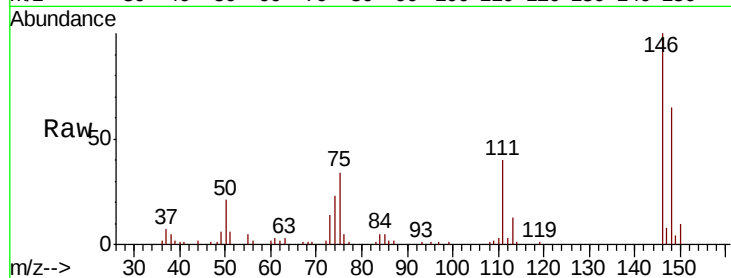




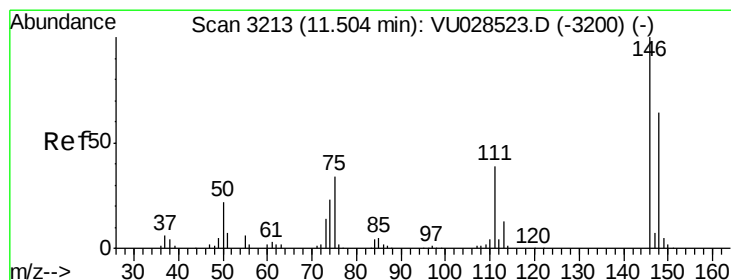
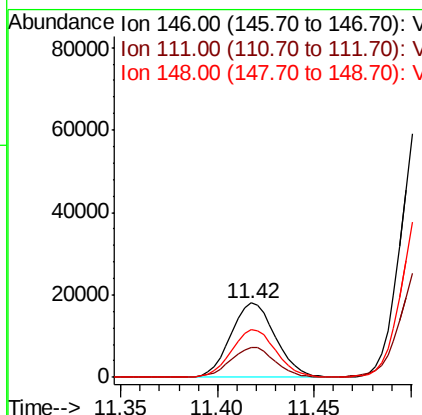
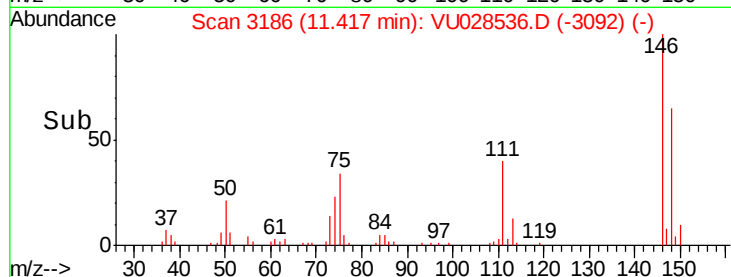
#62
 1,3-Dichlorobenzene
 Concen: 11.900 ug/L
 RT: 11.42 min Scan# 3186
 Delta R.T. 0.00 min
 Lab File: VU028536.D
 Acq: 07 Dec 2018 16:56

Instrument :
 MSVOA_U
 ClientSampleId :
 BE7Z5

Tgt Ion:146 Resp: 29185
 Ion Ratio Lower Upper
 146 100
 111 40.1 28.5 52.9
 148 64.8 43.9 81.5

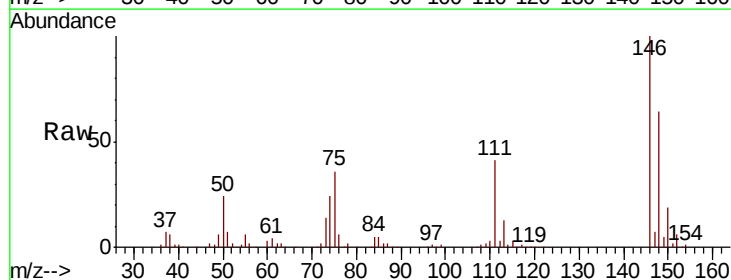


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

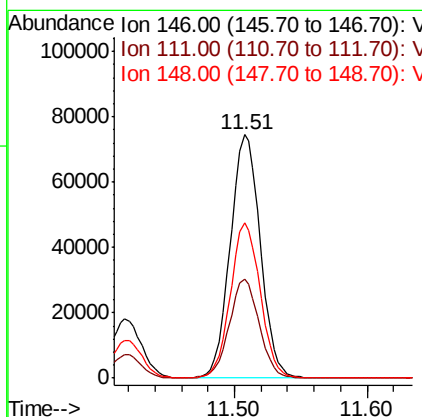
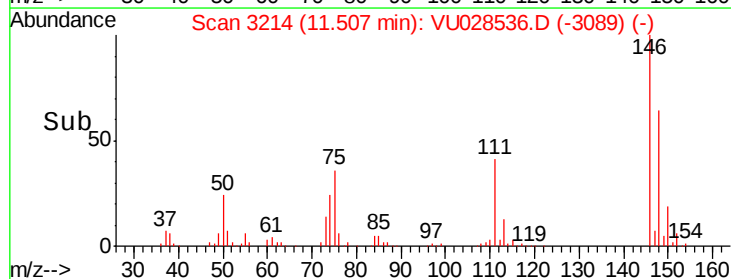


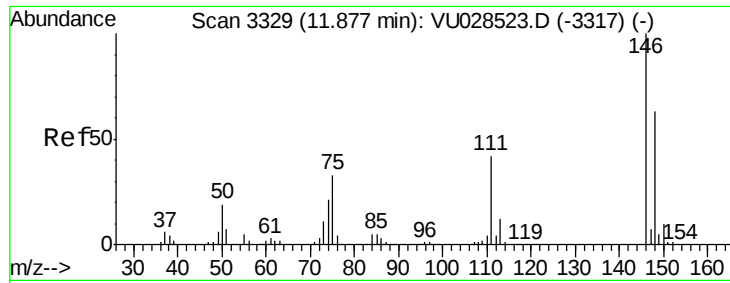
#63
 1,4-Dichlorobenzene
 Concen: 47.570 ug/L
 RT: 11.51 min Scan# 3214
 Delta R.T. 0.00 min
 Lab File: VU028536.D
 Acq: 07 Dec 2018 16:56

Tgt Ion:146 Resp: 117602
 Ion Ratio Lower Upper
 146 100
 111 40.6 27.6 51.4
 148 63.7 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

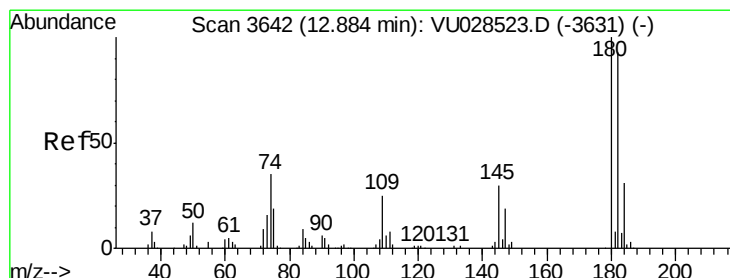
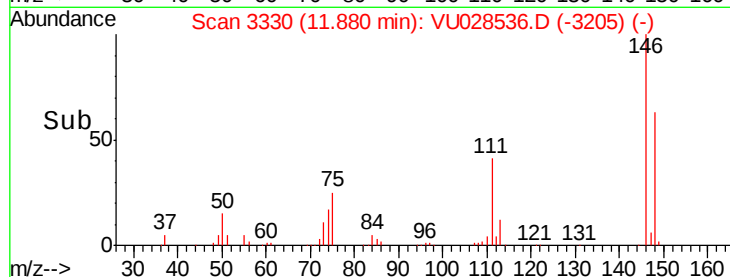
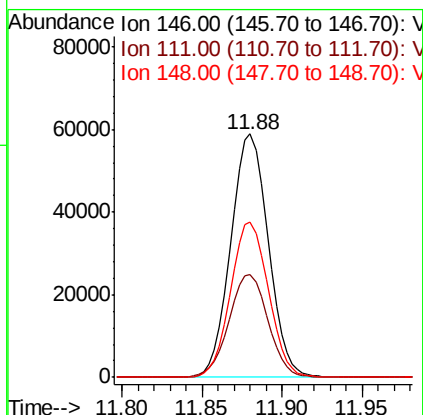
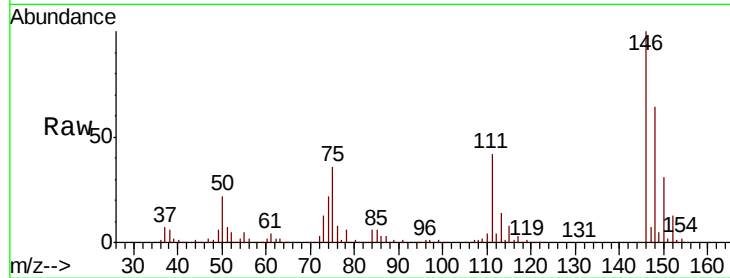




#65
 1,2-Dichlorobenzene
 Concen: 38.666 ug/L
 RT: 11.88 min Scan# 3330
 Delta R.T. 0.00 min
 Lab File: VU028536.D
 Acq: 07 Dec 2018 16:56

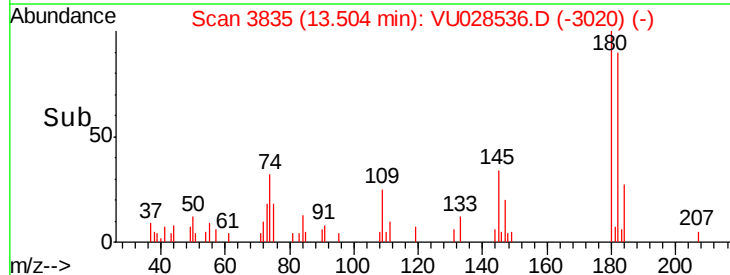
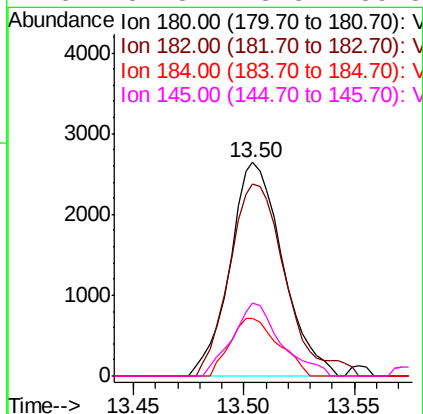
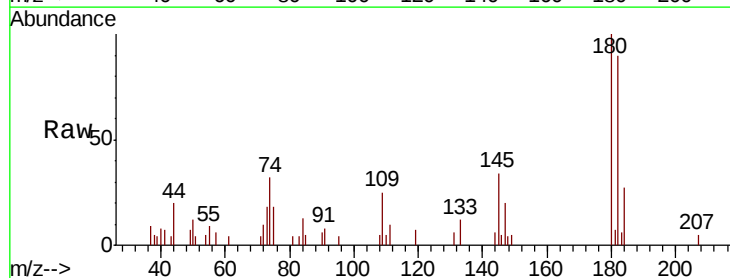
Instrument :
 MSVOA_U
 ClientSampleId :
 BE7Z5

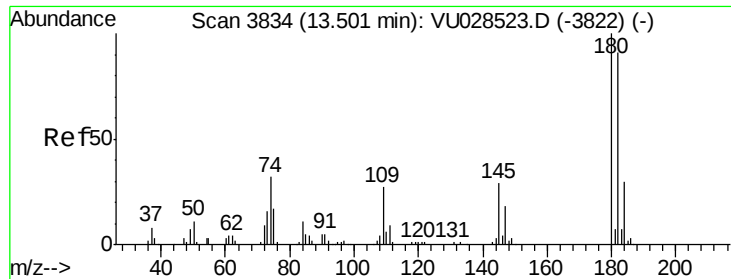
Tgt Ion:146 Resp: 94314
 Ion Ratio Lower Upper
 146 100
 111 42.1 33.4 50.2
 148 63.7 50.2 75.2



#67
 1,3,5-Trichlorobenzene
 Concen: 2.418 ug/L
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.62 min
 Lab File: VU028536.D
 Acq: 07 Dec 2018 16:56

Tgt Ion:180 Resp: 4379
 Ion Ratio Lower Upper
 180 100
 182 92.3 75.0 112.6
 184 24.7 23.9 35.9
 145 31.3 23.8 35.8

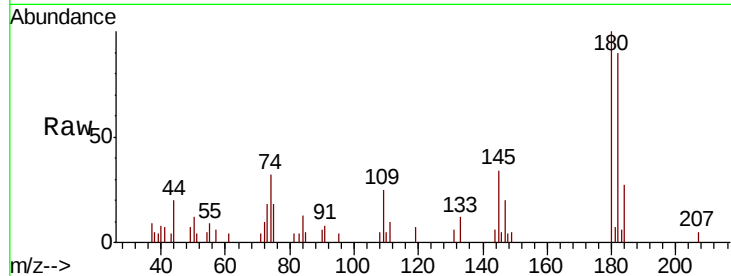




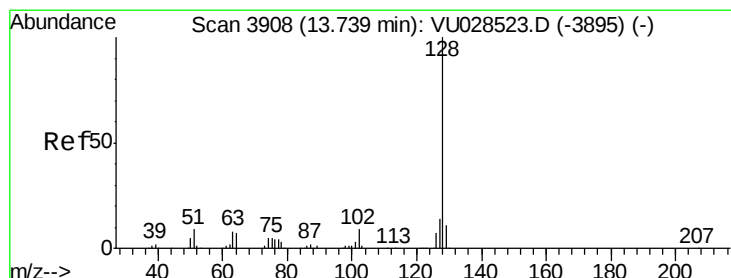
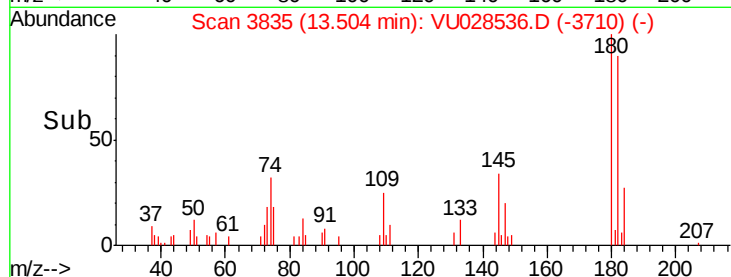
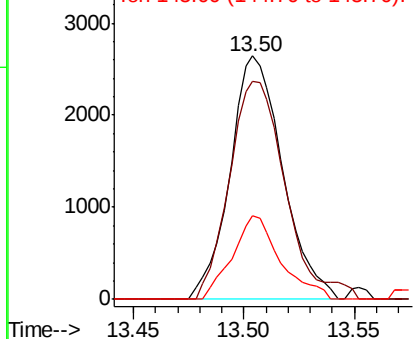
#68
 1,2,4-trichlorobenzene
 Concen: 2.598 ug/L
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.00 min
 Lab File: VU028536.D
 Acq: 07 Dec 2018 16:56

Instrument :
 MSVOA_U
 ClientSampleId :
 BE7Z5

Tgt Ion:180 Resp: 4379
 Ion Ratio Lower Upper
 180 100
 182 92.3 74.8 112.2
 145 31.3 23.0 34.6

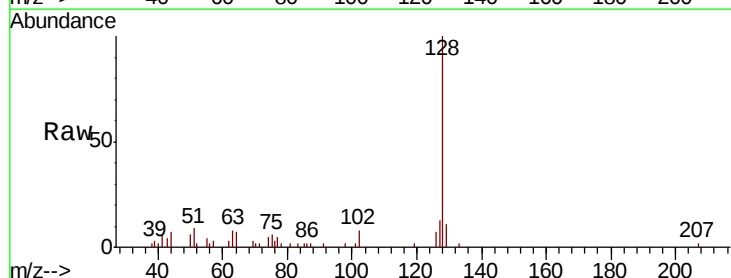


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V



#69
 Naphthalene
 Concen: 1.931 ug/L
 RT: 13.75 min Scan# 3910
 Delta R.T. 0.01 min
 Lab File: VU028536.D
 Acq: 07 Dec 2018 16:56

Tgt Ion:128 Resp: 11217
 Ion Ratio Lower Upper
 128 100
 127 13.0 10.7 16.1
 129 9.7 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 127.00 (126.70 to 127.70): V
 Ion 129.00 (128.70 to 129.70): V

