

Data File : VU037061.D
Acq On : 05 Mar 2020 00:51
Operator : JC/MD
Sample : L1780-09
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 33 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0DG5

Quant Time: Mar 05 02:58:51 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM022420WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Mar 05 02:52:45 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	288366	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.47	117	297148	50.00	ug/L	0.04
60) 1,4-Dichlorobenzene-d4	11.83	152	137230	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	91928	37.96	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	75.92%
7) Chloroethane-d5	1.92	69	91079	45.46	ug/L	0.01
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.92%
11) 1,1-Dichloroethene-d2	2.58	63	130532	32.19	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	64.38%
21) 2-Butanone-d5	4.67	46	154789	95.29	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	95.29%
24) Chloroform-d	5.10	84	170976	46.24	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.48%
26) 1,2-Dichloroethane-d4	5.75	65	58269	23.28	ug/L	0.01
Spiked Amount	50.000	Range	70 - 125	Recovery	=	46.56%#
32) Benzene-d6	5.80	84	408934	47.59	ug/L	0.04
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.18%
36) 1,2-Dichloropropane-d6	6.73	67	125820	45.19	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	90.38%
41) Toluene-d8	7.92	98	352942	44.27	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.54%
43) trans-1,3-Dichloropropene-	8.20	79	53418	41.29	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.58%
47) 2-Hexanone-d5	8.66	63	111140	81.65	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	81.65%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	170536	43.45	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	86.90%
64) 1,2-Dichlorobenzene-d4	12.21	152	119741	44.64	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.28%

Target Compounds

					Qvalue
3) Chloromethane	1.53	50	3772	1.340 ug/L	90
5) Vinyl chloride	1.62	62	3061	1.055 ug/L #	1
12) 1,1-Dichloroethene	2.60	96	12203	6.552 ug/L #	1
13) Acetone	2.66	43	4256	2.547 ug/L	95
17) trans-1,2-Dichloroethene	3.38	96	2536	1.267 ug/L	93
20) cis-1,2-Dichloroethene	4.71	96	3858	1.724 ug/L	99
27) 1,2-Dichloroethane	5.85	62	1823412	597.060 ug/L #	75
29) Cyclohexane	5.43	56	10013	2.539 ug/L	99
34) Trichloroethene	6.58	95	4809	2.084 ug/L	93
39) cis-1,3-Dichloropropene	7.59	75	3195	0.821 ug/L #	48
42) Toluene	8.00	91	9826	0.982 ug/L	96
62) 1,3-Dichlorobenzene	11.76	146	871313	195.725 ug/L	99
63) 1,4-Dichlorobenzene	11.76	146	871313	198.105 ug/L	99
65) 1,2-Dichlorobenzene	12.24	146	8426326	1895.724 ug/L	97
67) 1,3,5-Trichlorobenzene	13.87	180	96276	34.072 ug/L	99
68) 1,2,4-trichlorobenzene	13.87	180	96276	45.476 ug/L	99
70) 1,2,3-Trichlorobenzene	14.36	180	4958	2.344 ug/L	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU030420\
Quantitation Report (Not Reviewed)

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Quant Title : VOC Analysis
QLast Update : Thu Mar 05 02:52:45 2020
Response via : Initial Calibration

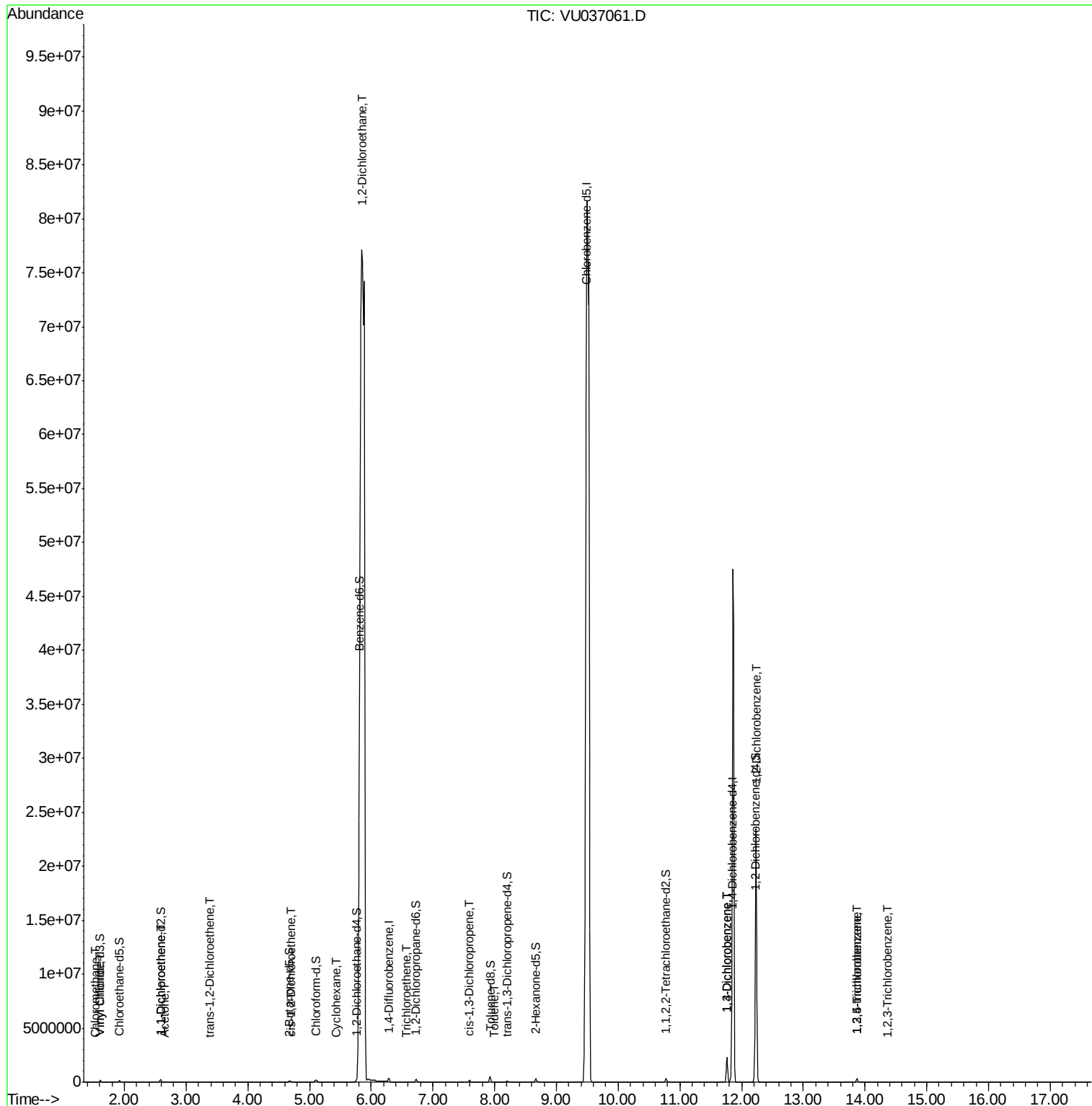
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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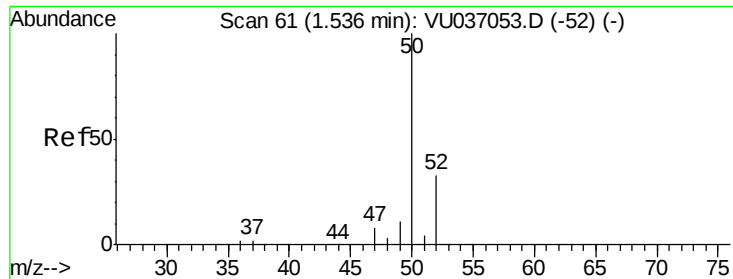
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#3

Chloromethane

Concen: 1.340 ug/L

RT: 1.53 min Scan# 60

Delta R.T. -0.00 min

Lab File: VU037061.D

Acq: 05 Mar 2020 00:51

Instrument :

MSVOA_U

ClientSampleId :

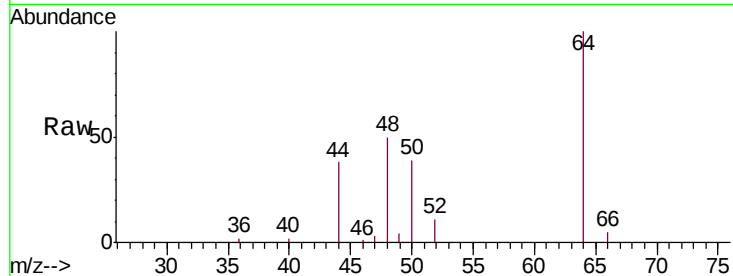
C0DG5

Tgt Ion: 50 Resp: 3772

Ion Ratio Lower Upper

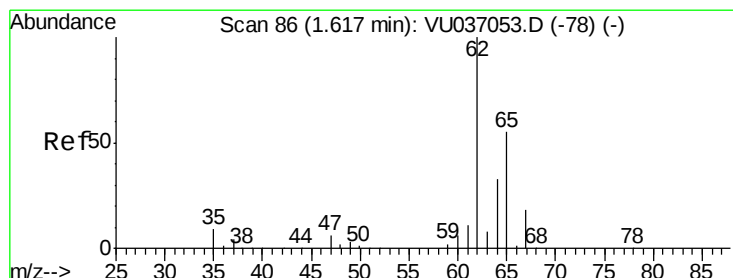
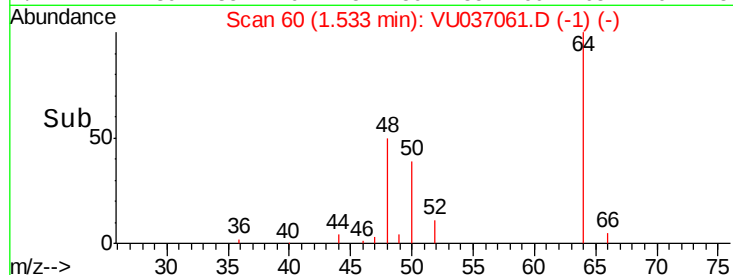
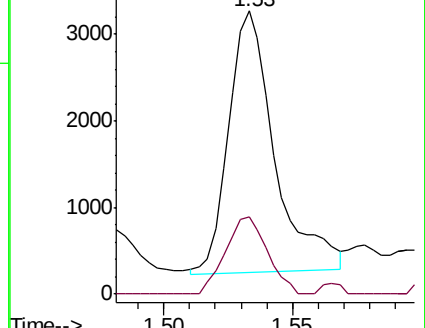
50 100

52 27.3 23.0 42.6



Abundance Ion 50.00 (49.70 to 50.70): VU037053.D (-52) (-)

Ion 52.00 (51.70 to 52.70): VU037053.D (-52) (-)



#5

Vinyl chloride

Concen: 1.055 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU037061.D

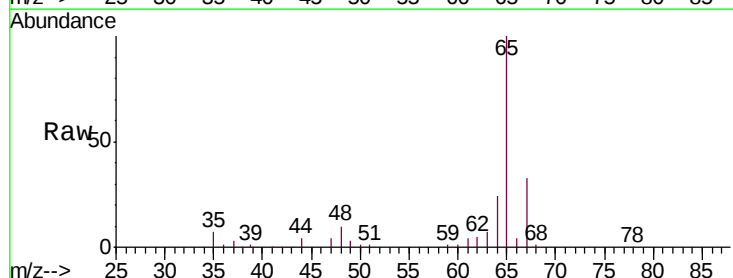
Acq: 05 Mar 2020 00:51

Tgt Ion: 62 Resp: 3061

Ion Ratio Lower Upper

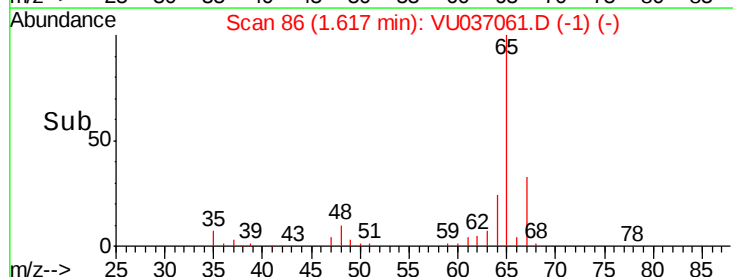
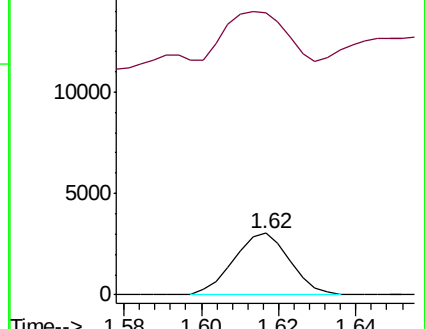
62 100

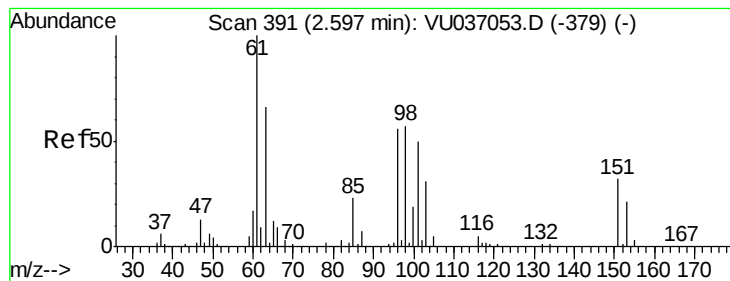
64 459.3 23.1 42.9#



Abundance Ion 62.00 (61.70 to 62.70): VU037053.D (-78) (-)

Ion 64.00 (63.70 to 64.70): VU037053.D (-78) (-)





#12

1,1-Dichloroethene

Concen: 6.552 ug/L

RT: 2.60 min Scan# 392

Delta R.T. 0.00 min

Lab File: VU037061.D

Acq: 05 Mar 2020 00:51

Instrument :

MSVOA_U

ClientSampleId :

C0DG5

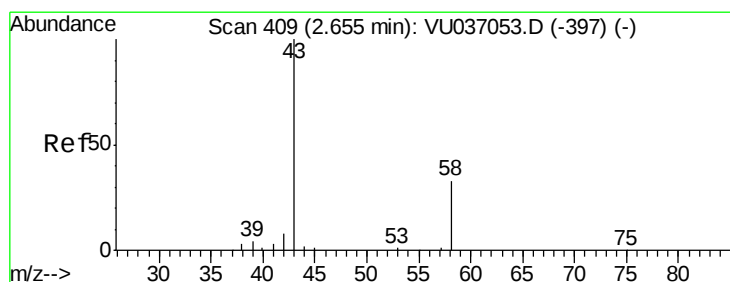
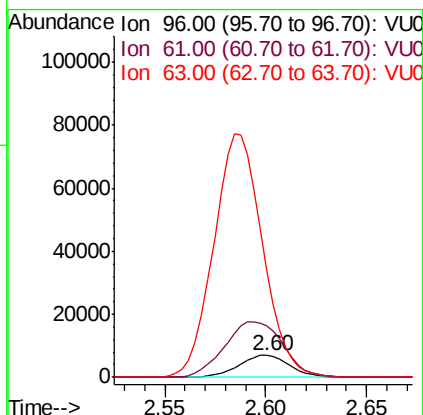
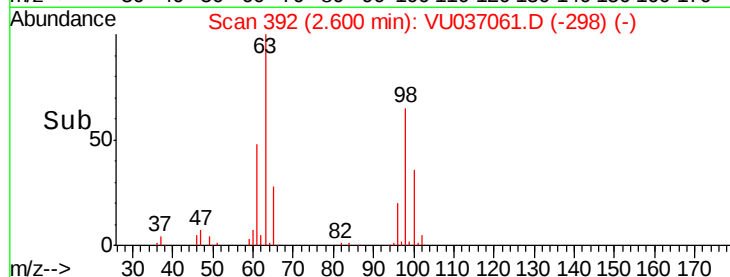
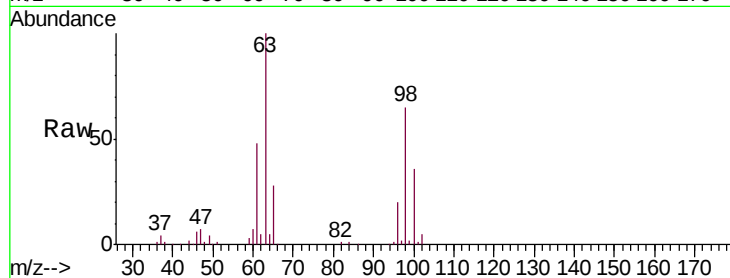
Tgt Ion: 96 Resp: 12203

Ion Ratio Lower Upper

96 100

61 234.3 127.5 236.7

63 490.7 101.4 188.2#



#13

Acetone

Concen: 2.547 ug/L

RT: 2.66 min Scan# 409

Delta R.T. 0.00 min

Lab File: VU037061.D

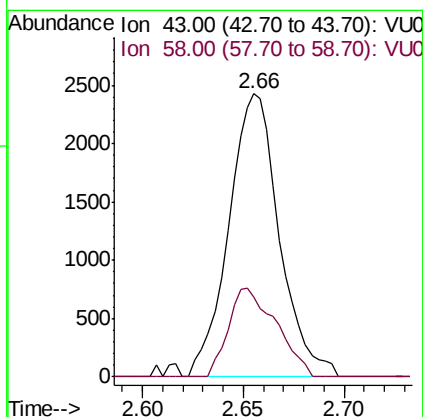
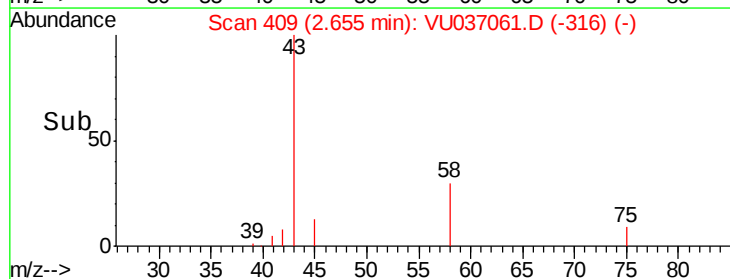
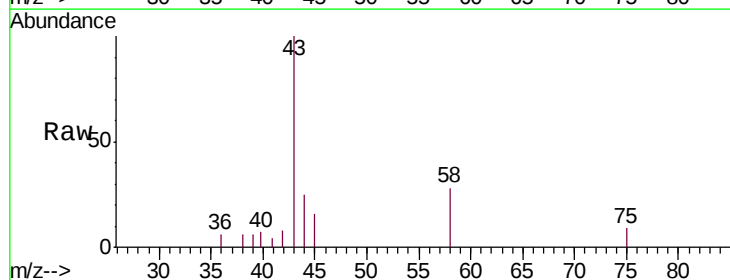
Acq: 05 Mar 2020 00:51

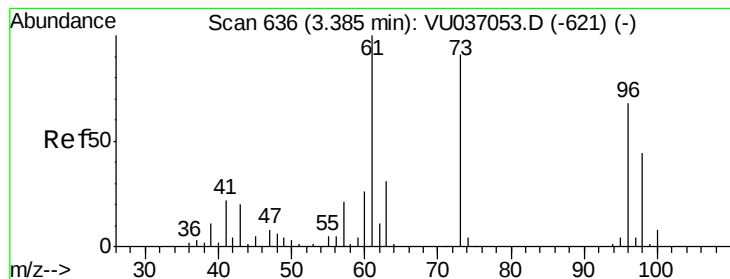
Tgt Ion: 43 Resp: 4256

Ion Ratio Lower Upper

43 100

58 29.7 0.0 64.6





#17

trans-1,2-Dichloroethene

Concen: 1.267 ug/L

RT: 3.38 min Scan# 635

Delta R.T. -0.00 min

Lab File: VU037061.D

Acq: 05 Mar 2020 00:51

Instrument :

MSVOA_U

ClientSampleID :

C0DG5

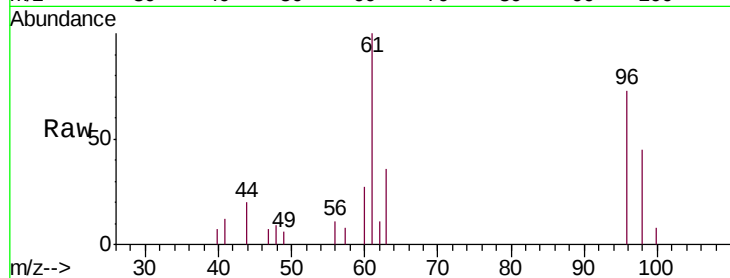
Tgt Ion: 96 Resp: 2536

Ion Ratio Lower Upper

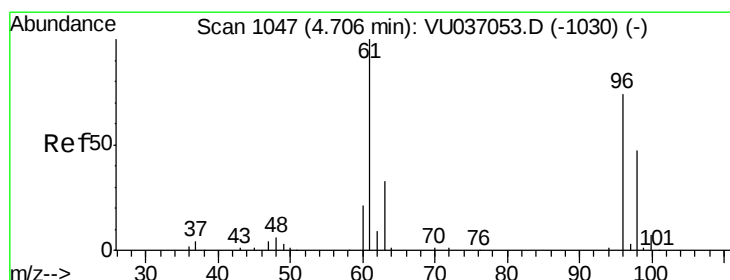
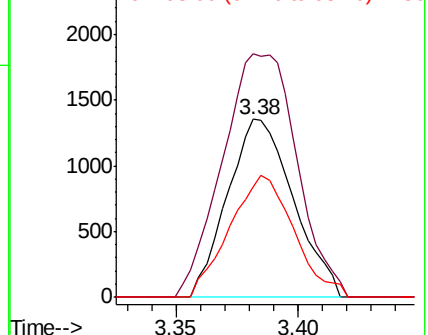
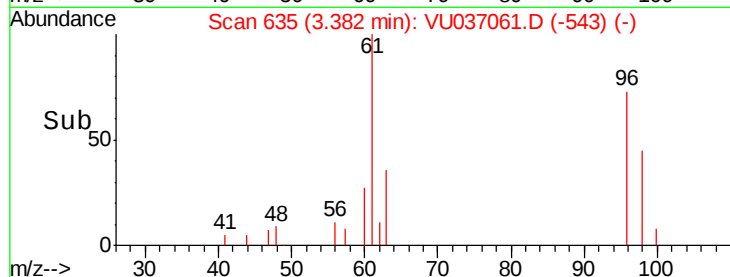
96 100

61 136.7 103.8 192.8

98 61.7 44.2 82.2



Abundance Ion 96.00 (95.70 to 96.70): VU037061.D (-543) (-)



#20

cis-1,2-Dichloroethene

Concen: 1.724 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. 0.00 min

Lab File: VU037061.D

Acq: 05 Mar 2020 00:51

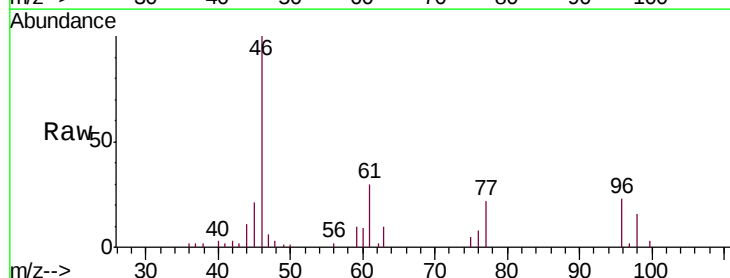
Tgt Ion: 96 Resp: 3858

Ion Ratio Lower Upper

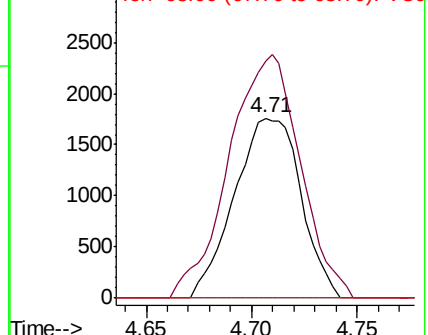
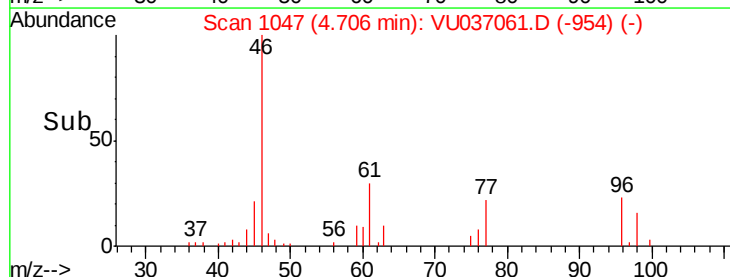
96 100

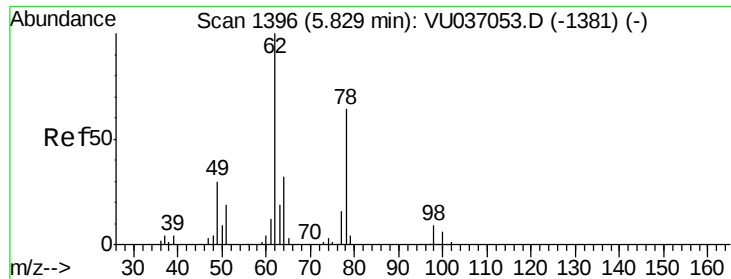
61 131.7 93.1 172.9

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU037061.D (-954) (-)

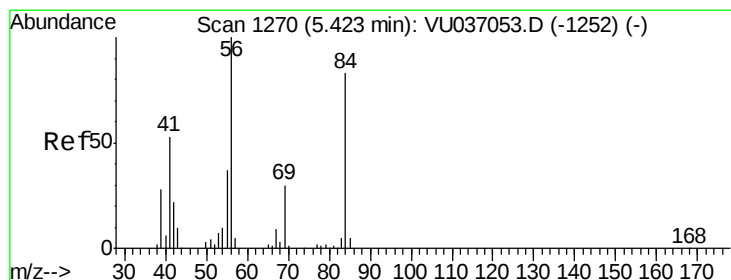
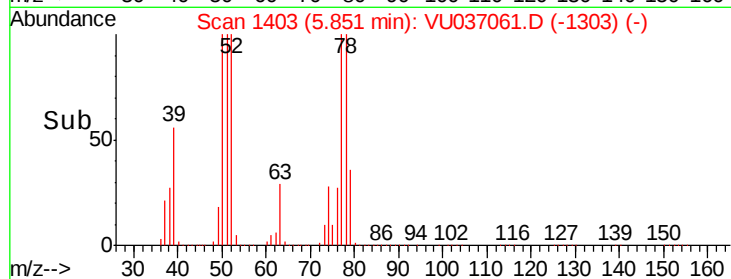
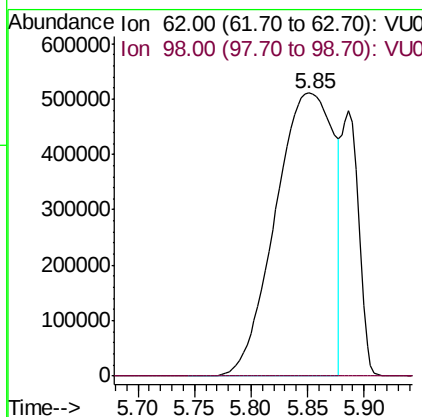
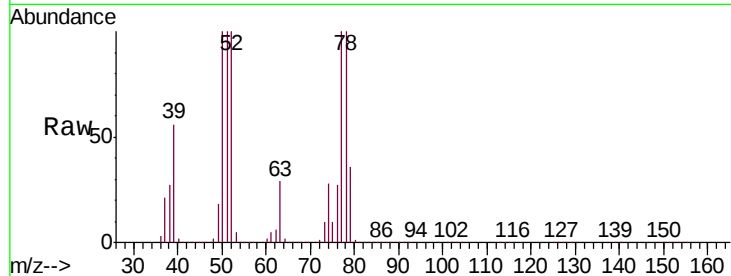




#27
 1,2-Dichloroethane
 Concen: 597.060 ug/L
 RT: 5.85 min Scan# 1403
 Delta R.T. 0.02 min
 Lab File: VU037061.D
 Acq: 05 Mar 2020 00:51

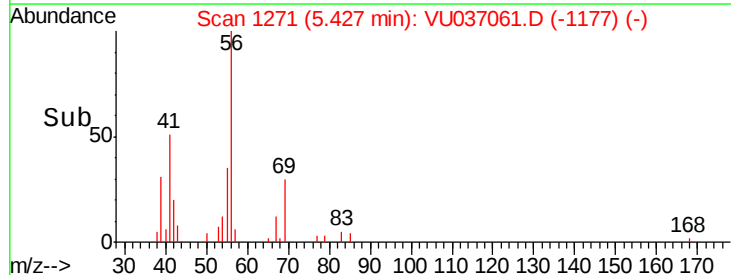
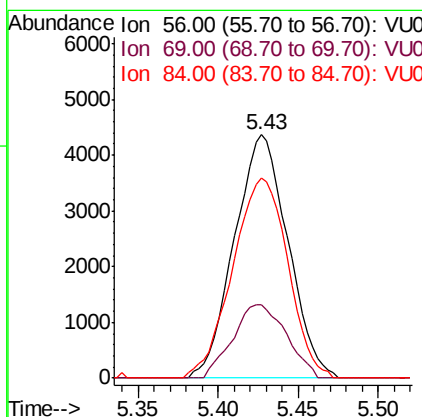
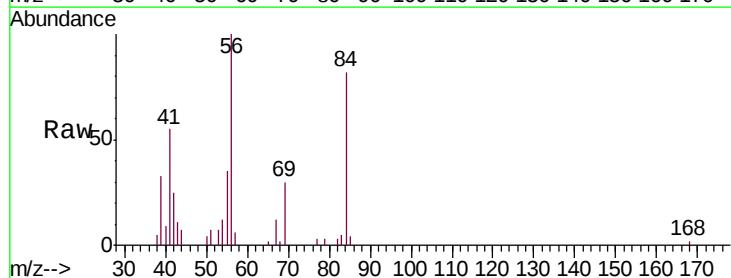
Instrument :
 MSVOA_U
 ClientSampleId :
 C0DG5

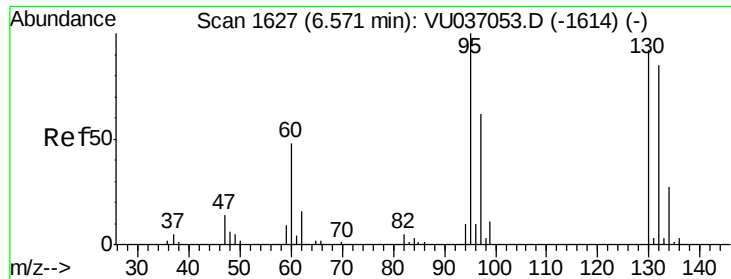
Tgt Ion: 62 Resp: 1823412
 Ion Ratio Lower Upper
 62 100
 98 0.0 7.1 10.7#



#29
 Cyclohexane
 Concen: 2.539 ug/L
 RT: 5.43 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VU037061.D
 Acq: 05 Mar 2020 00:51

Tgt Ion: 56 Resp: 10013
 Ion Ratio Lower Upper
 56 100
 69 30.1 24.6 37.0
 84 84.8 67.0 100.4

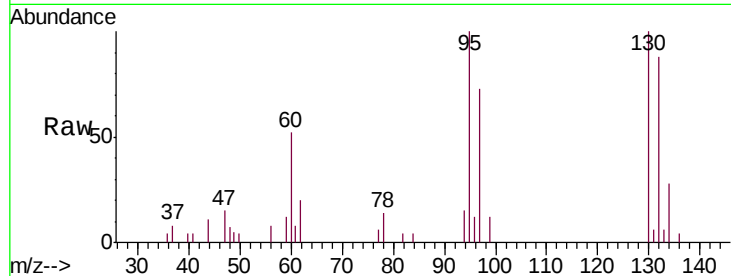




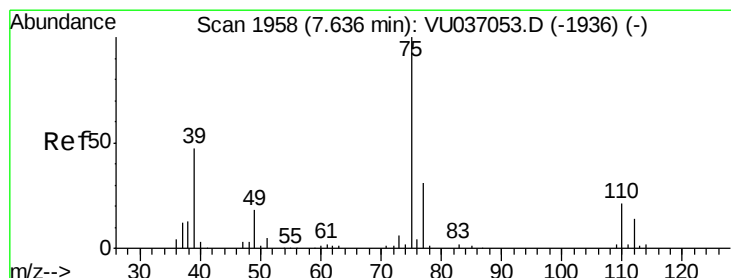
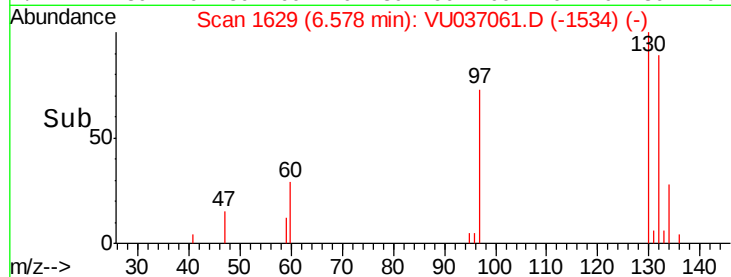
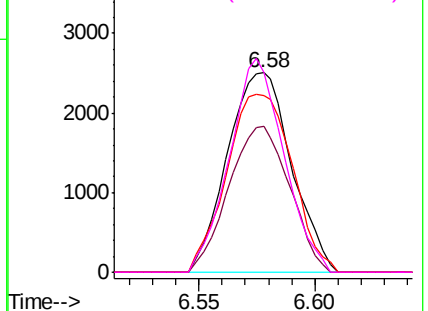
#34
 Trichloroethene
 Concen: 2.084 ug/L
 RT: 6.58 min Scan# 1629
 Delta R.T. 0.01 min
 Lab File: VU037061.D
 Acq: 05 Mar 2020 00:51

Instrument :
 MSVOA_U
 ClientSampleId :
 C0DG5

Tgt Ion: 95 Resp: 4809
 Ion Ratio Lower Upper
 95 100
 97 73.0 44.1 81.9
 132 88.4 60.6 112.6
 130 99.7 64.9 120.5

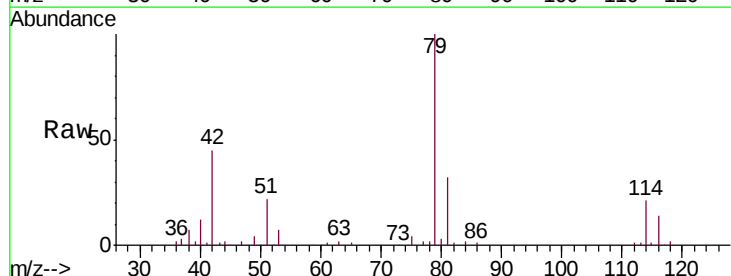


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

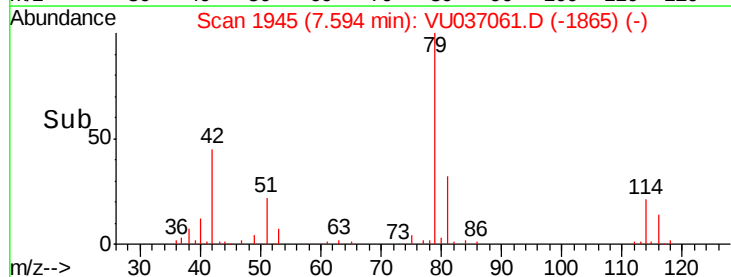
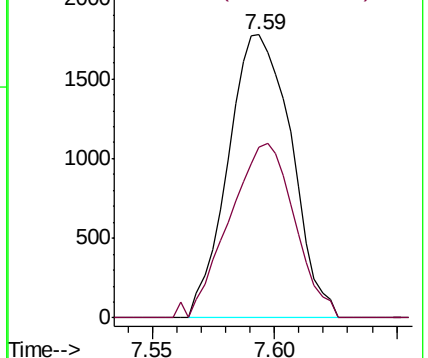


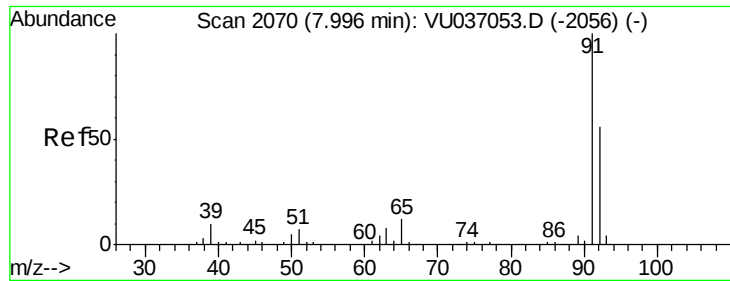
#39
 cis-1,3-Dichloropropene
 Concen: 0.821 ug/L
 RT: 7.59 min Scan# 1945
 Delta R.T. -0.04 min
 Lab File: VU037061.D
 Acq: 05 Mar 2020 00:51

Tgt Ion: 75 Resp: 3195
 Ion Ratio Lower Upper
 75 100
 77 60.3 22.0 41.0#



Abundance Ion 75.00 (74.70 to 75.70): VU0
 Ion 77.00 (76.70 to 77.70): VU0





#42

Toluene

Concen: 0.982 ug/L

RT: 8.00 min Scan# 2070

Delta R.T. 0.00 min

Lab File: VU037061.D

Acq: 05 Mar 2020 00:51

Instrument :

MSVOA_U

ClientSampleId :

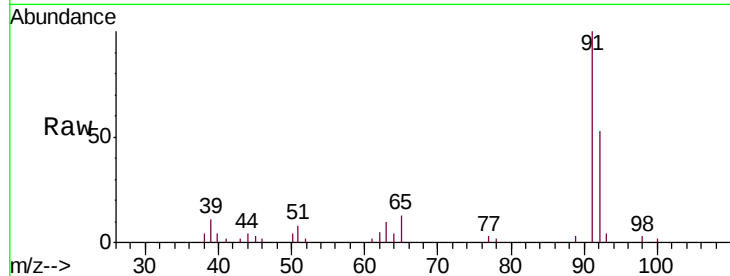
C0DG5

Tgt Ion: 91 Resp: 9826

Ion Ratio Lower Upper

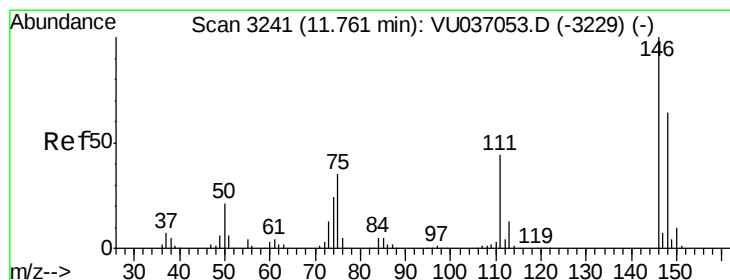
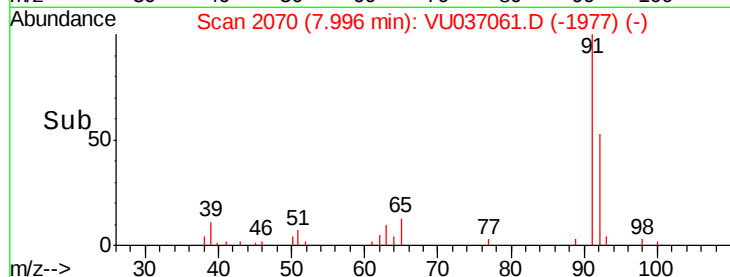
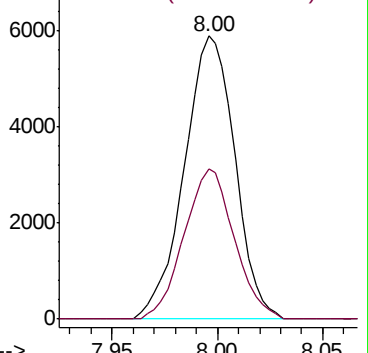
91 100

92 53.2 39.4 73.2



Abundance Ion 91.00 (90.70 to 91.70): VU037053.D (-2056) (-)

Ion 92.00 (91.70 to 92.70): VU037053.D (-2056) (-)



#62

1,3-Dichlorobenzene

Concen: 195.725 ug/L

RT: 11.76 min Scan# 3242

Delta R.T. 0.00 min

Lab File: VU037061.D

Acq: 05 Mar 2020 00:51

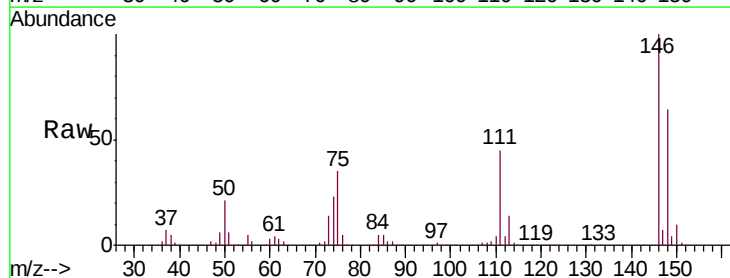
Tgt Ion: 146 Resp: 871313

Ion Ratio Lower Upper

146 100

111 44.5 30.7 56.9

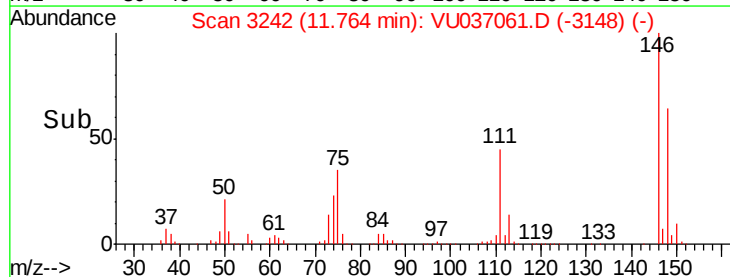
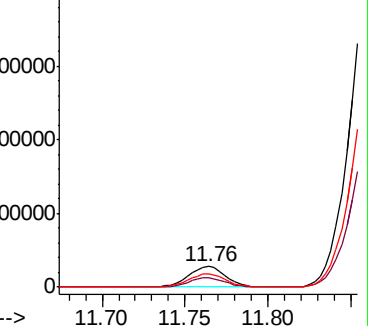
148 64.3 44.2 82.2

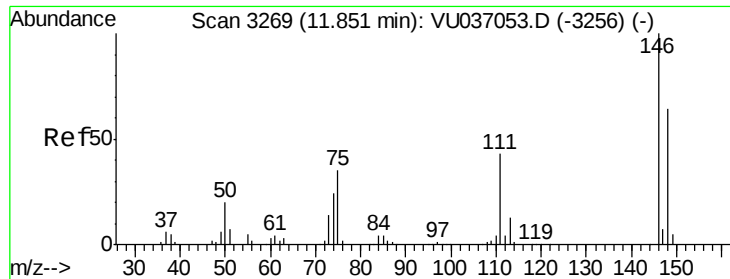


Abundance Ion 146.00 (145.70 to 146.70): VU037053.D (-3229) (-)

Ion 111.00 (110.70 to 111.70): VU037053.D (-3229) (-)

Ion 148.00 (147.70 to 148.70): VU037053.D (-3229) (-)

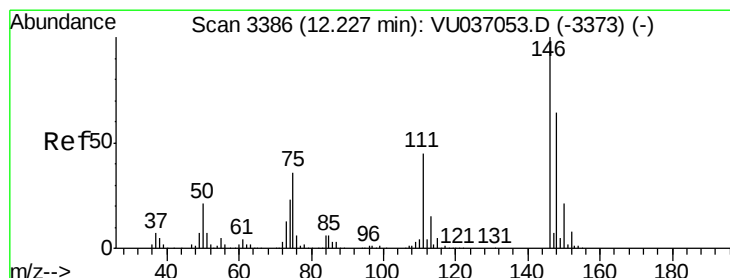
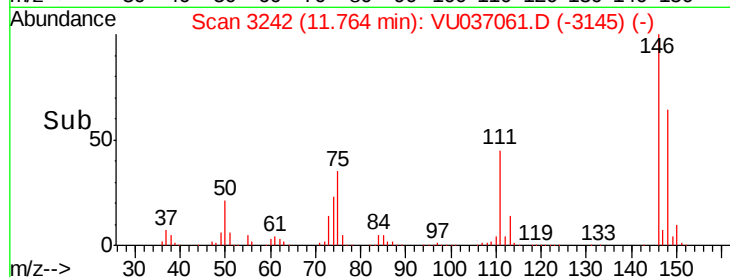
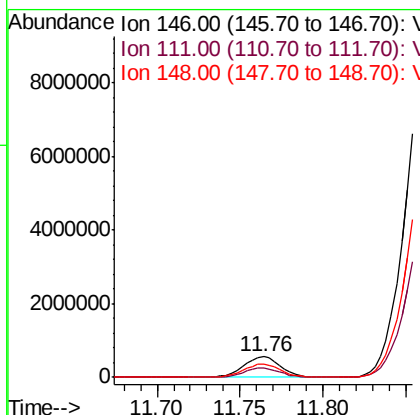
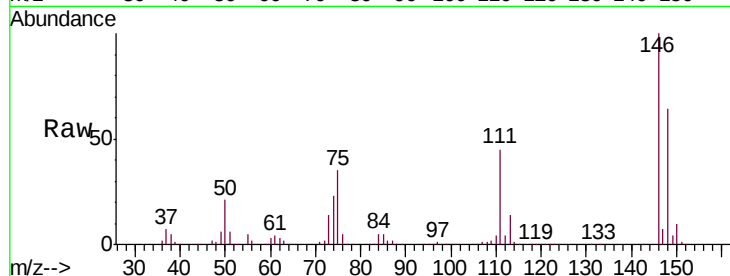




#63
 1,4-Dichlorobenzene
 Concen: 198.105 ug/L
 RT: 11.76 min Scan# 3242
 Delta R.T. -0.09 min
 Lab File: VU037061.D
 Acq: 05 Mar 2020 00:51

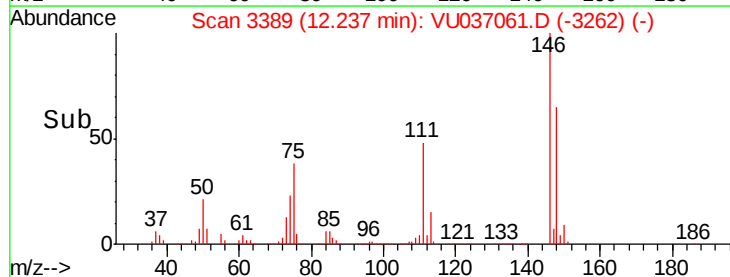
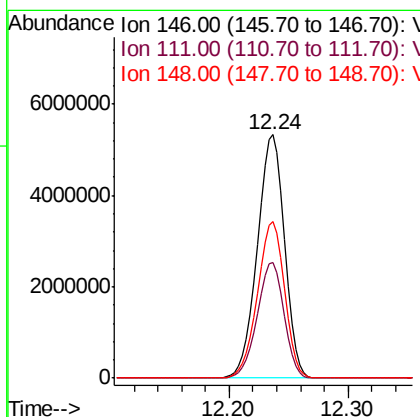
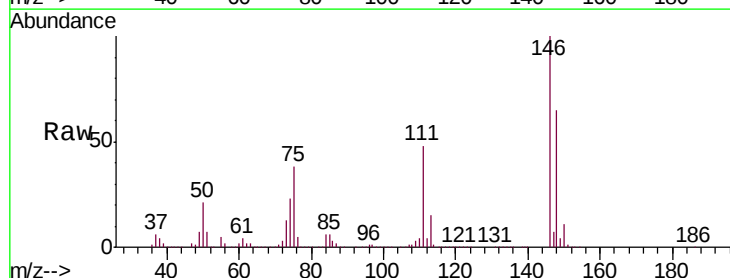
Instrument :
 MSVOA_U
 ClientSampled :
 C0DG5

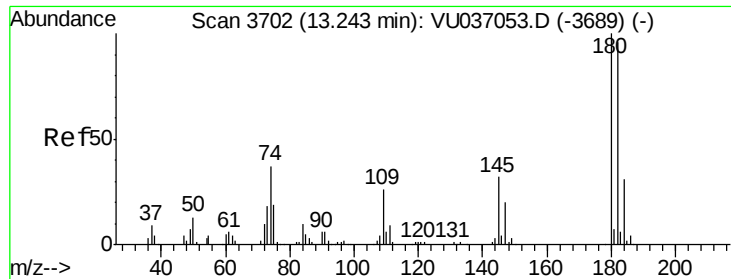
Tgt Ion:146 Resp: 871313
 Ion Ratio Lower Upper
 146 100
 111 44.5 29.8 55.4
 148 64.3 45.1 83.9



#65
 1,2-Dichlorobenzene
 Concen: 1895.724 ug/L
 RT: 12.24 min Scan# 3389
 Delta R.T. 0.01 min
 Lab File: VU037061.D
 Acq: 05 Mar 2020 00:51

Tgt Ion:146 Resp: 8426326
 Ion Ratio Lower Upper
 146 100
 111 47.7 35.4 53.0
 148 64.5 50.5 75.7

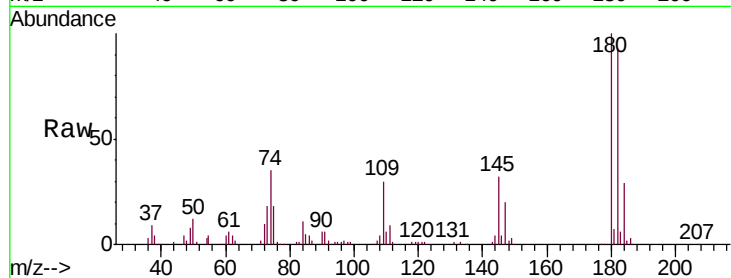




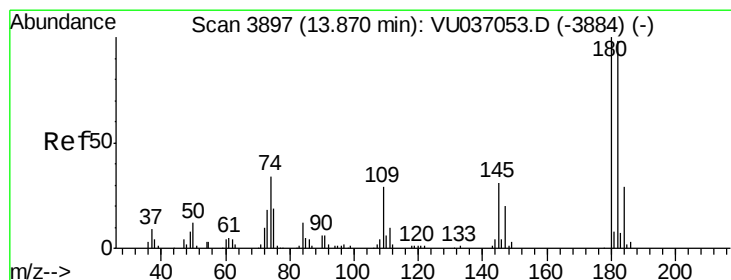
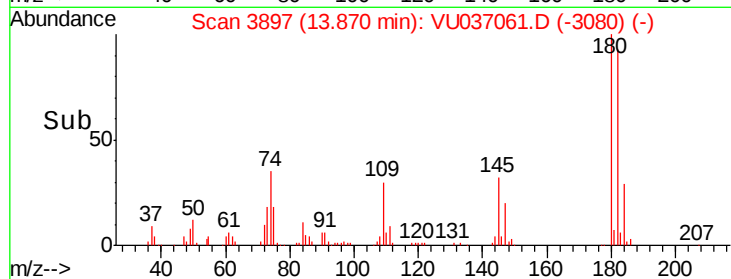
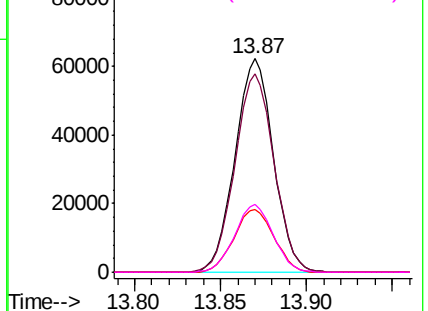
#67
 1,3,5-Trichlorobenzene
 Concen: 34.072 ug/L
 RT: 13.87 min Scan# 3897
 Delta R.T. 0.63 min
 Lab File: VU037061.D
 Acq: 05 Mar 2020 00:51

Instrument :
 MSVOA_U
 ClientSampleId :
 C0DG5

Tgt Ion:	180	Resp:	96276
Ion	Ratio	Lower	Upper
180	100		
182	94.9	76.9	115.3
184	30.7	24.2	36.2
145	31.8	25.3	37.9

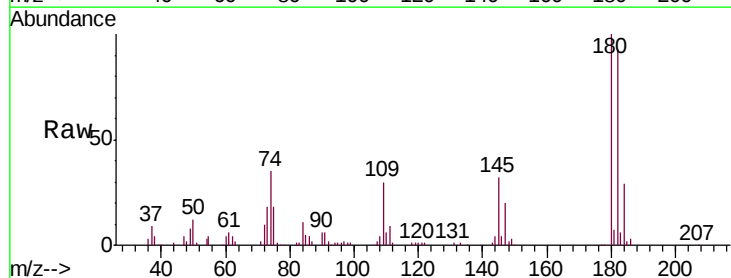


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

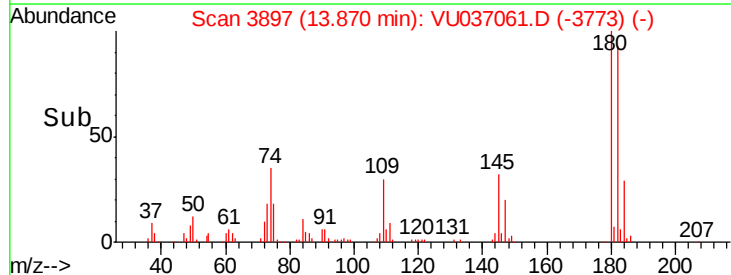
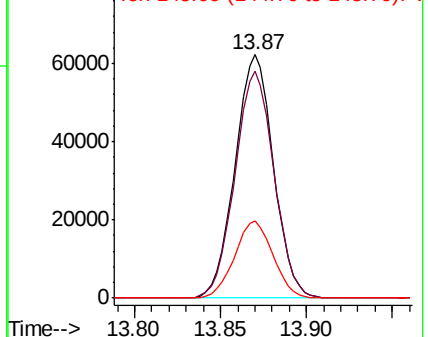


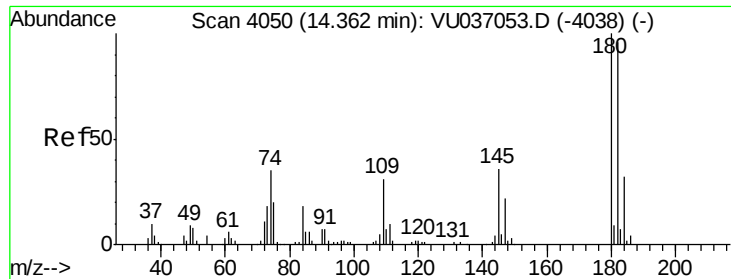
#68
 1,2,4-trichlorobenzene
 Concen: 45.476 ug/L
 RT: 13.87 min Scan# 3897
 Delta R.T. 0.00 min
 Lab File: VU037061.D
 Acq: 05 Mar 2020 00:51

Tgt Ion:	180	Resp:	96276
Ion	Ratio	Lower	Upper
180	100		
182	94.9	75.3	112.9
145	31.8	26.2	39.4



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

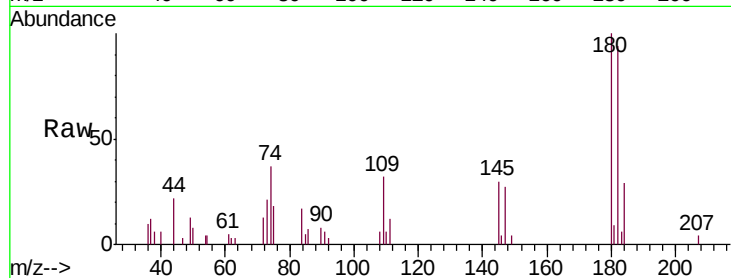




#70
 1,2,3-Trichlorobenzene
 Concen: 2.344 ug/L
 RT: 14.36 min Scan# 4050
 Delta R.T. 0.00 min
 Lab File: VU037061.D
 Acq: 05 Mar 2020 00:51

Instrument :
 MSVOA_U
 ClientSampleId :
 C0DG5

Tgt Ion:180 Resp: 4958
 Ion Ratio Lower Upper
 180 100
 182 96.7 77.0 115.6
 145 31.9 28.1 42.1



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

