

Data File : VU038831.D
Acq On : 11 Jun 2020 17:43
Operator : SY/MD
Sample : L2968-03
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFXE8

Quant Time: Jun 15 01:59:12 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR053120WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Jun 12 01:02:05 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	268560	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	269428	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	127934	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	68560	3.94	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	78.80%
7) Chloroethane-d5	1.93	69	65101	4.87	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.40%
11) 1,1-Dichloroethene-d2	2.59	63	117380	3.43	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	68.60%
20) 2-Butanone-d5	4.67	46	314167	59.50	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	119.00%
24) Chloroform-d	5.10	84	177728	5.44	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	108.80%
26) 1,2-Dichloroethane-d4	5.74	65	106888	5.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	115.40%
32) Benzene-d6	5.76	84	341561	5.08	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.60%
36) 1,2-Dichloropropane-d6	6.72	67	109992	5.32	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	106.40%
41) Toluene-d8	7.92	98	277144	4.59	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.80%
43) trans-1,3-Dichloropropene-	8.20	79	42255	4.75	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.00%
46) 2-Hexanone-d5	8.65	63	251476	57.25	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	114.50%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	96700	5.51	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	110.20%
64) 1,2-Dichlorobenzene-d4	12.20	152	119897	5.43	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	108.60%

Target Compounds

					Qvalue
5) Vinyl chloride	1.62	62	150934	7.247 ug/L	97
18) trans-1,2-Dichloroethene	3.38	96	5122	0.287 ug/L	92
19) 1,1-Dichloroethane	3.91	63	138647	4.346 ug/L	98
22) cis-1,2-Dichloroethene	4.71	96	127399	6.638 ug/L	93
25) Chloroform	5.12	83	21232	0.655 ug/L	99
27) 1,2-Dichloroethane	5.83	62	21924	0.961 ug/L #	94
29) 1,1,1-Trichloroethane	5.35	97	14916	0.523 ug/L	96
30) Cyclohexane	5.42	56	8355	0.279 ug/L	98
33) Benzene	5.81	78	40060	0.533 ug/L	100
34) Trichloroethene	6.57	95	5443	0.279 ug/L	97
45) 1,1,2-Trichloroethane	8.42	97	9925	0.696 ug/L	88
51) Chlorobenzene	9.47	112	71341	1.404 ug/L	96
54) o-Xylene	10.11	106	6275	0.194 ug/L	92
62) 1,3-Dichlorobenzene	11.76	146	5975	0.159 ug/L	93
63) 1,4-Dichlorobenzene	11.85	146	10650	0.279 ug/L	97
65) 1,2-Dichlorobenzene	12.23	146	5393	0.151 ug/L	98
68) 1,2,4-trichlorobenzene	13.86	180	2670	0.103 ug/L	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU061220\
Quantitation Report (LSC Reviewed)

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Instrument :
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Quant Title : TRACE VOA SOM01.0
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Response via : Initial Calibration

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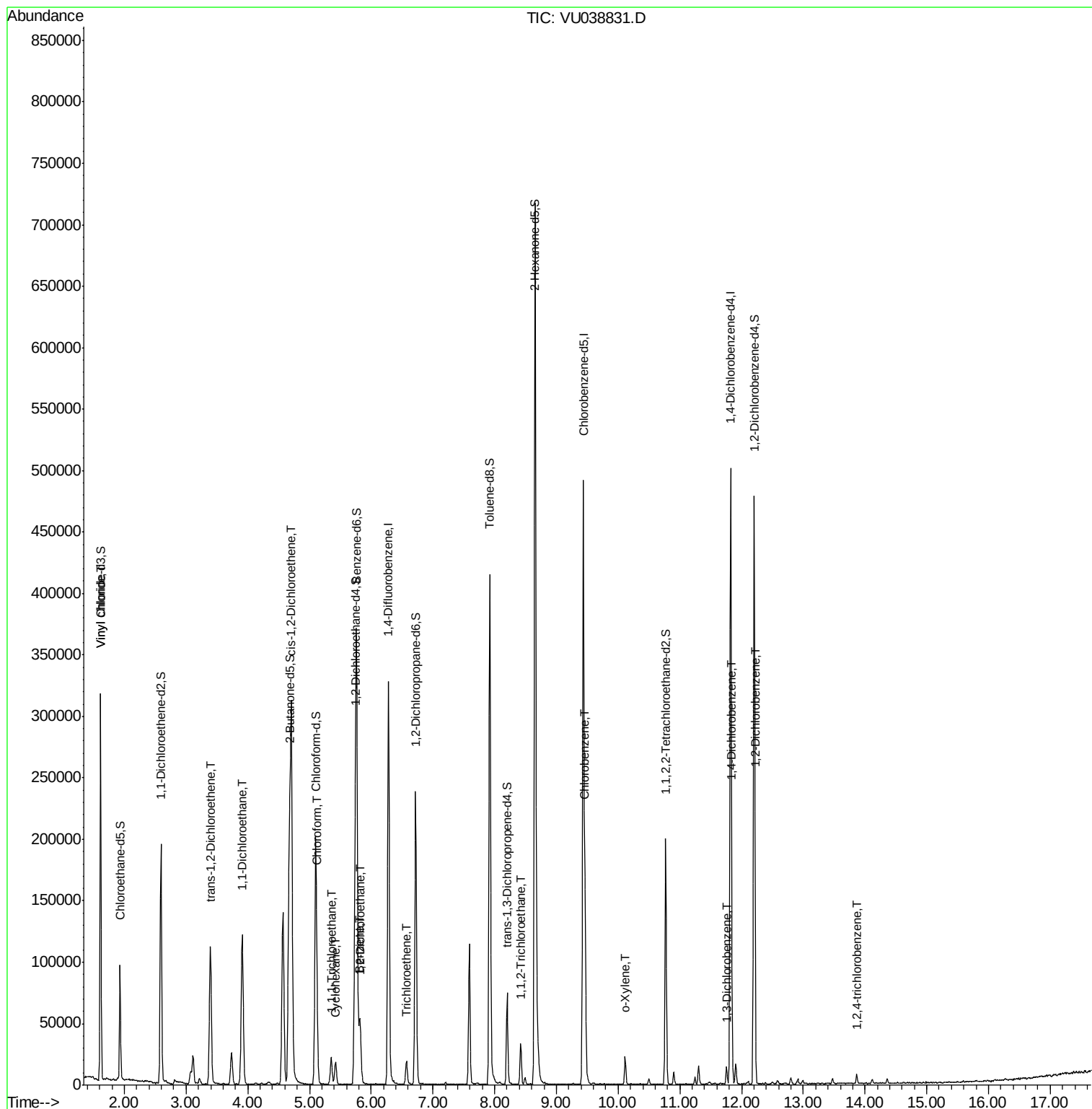
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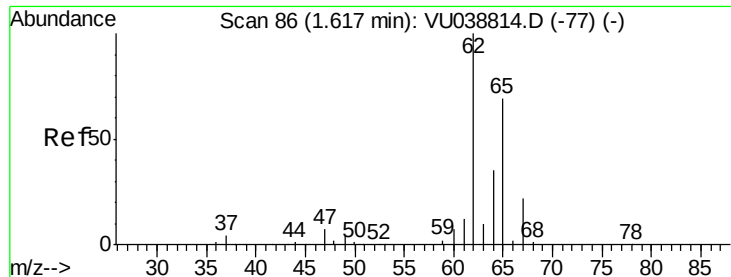
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 7.247 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU038831.D

Acq: 11 Jun 2020 17:43

Instrument :

MSVOA_U

ClientSampleId :

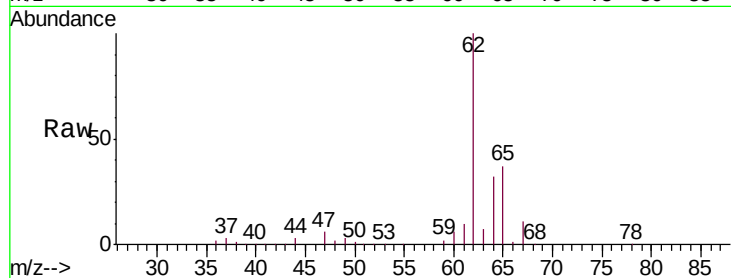
BFXE8

Tgt Ion: 62 Resp: 150934

Ion Ratio Lower Upper

62 100

64 32.2 23.7 43.9



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0

1.62

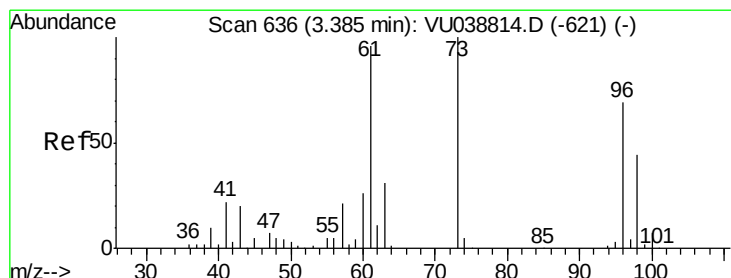
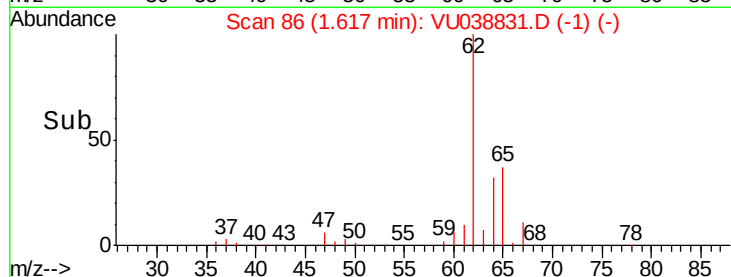
150000

100000

50000

0

Time-->



#18

trans-1,2-Dichloroethene

Concen: 0.287 ug/L

RT: 3.38 min Scan# 636

Delta R.T. -0.00 min

Lab File: VU038831.D

Acq: 11 Jun 2020 17:43

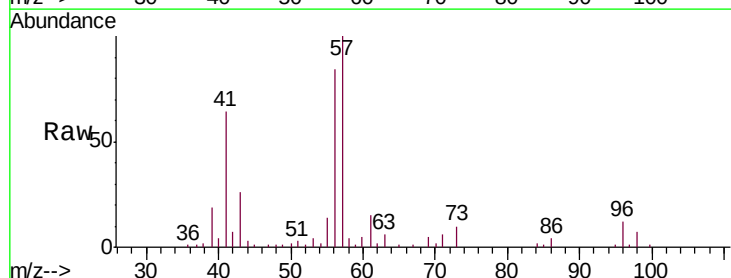
Tgt Ion: 96 Resp: 5122

Ion Ratio Lower Upper

96 100

61 129.7 100.2 186.0

98 62.1 42.8 79.4



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 97.95 (97.65 to 98.65): VU0

4000

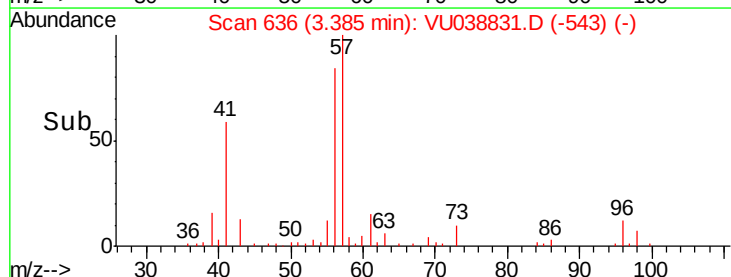
3000

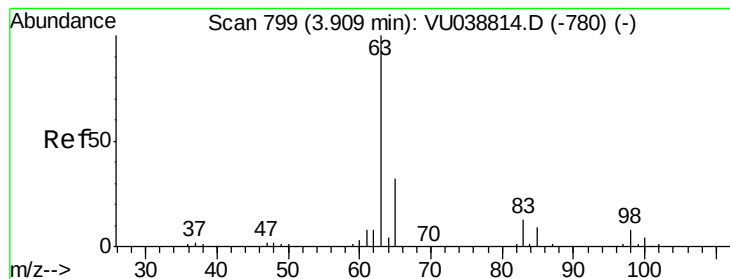
2000

1000

0

Time-->





#19

1,1-Dichloroethane

Concen: 4.346 ug/L

RT: 3.91 min Scan# 799

Delta R.T. -0.00 min

Lab File: VU038831.D

Acq: 11 Jun 2020 17:43

Instrument :

MSVOA_U

ClientSampleId :

BFXE8

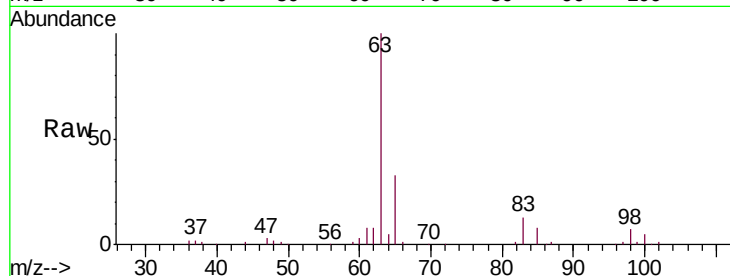
Tgt Ion: 63 Resp: 138647

Ion Ratio Lower Upper

63 100

65 33.0 22.3 41.5

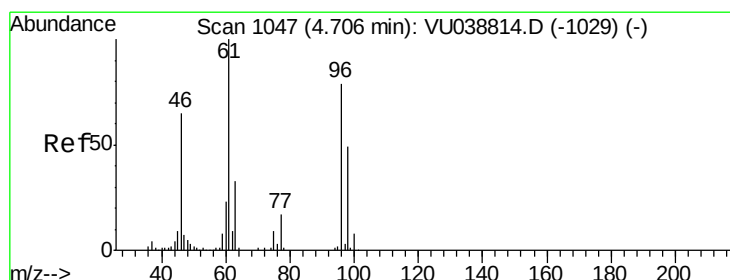
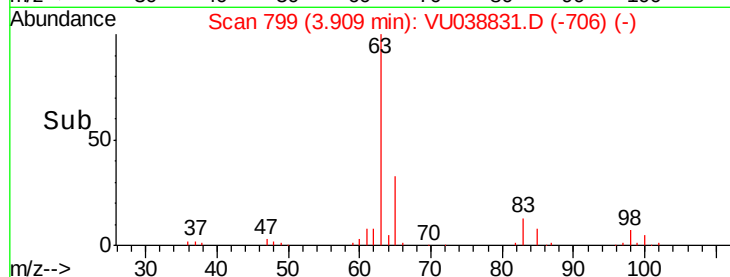
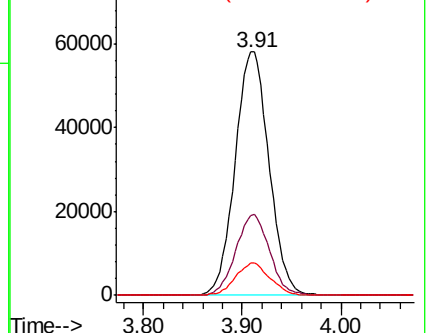
83 13.4 10.4 19.4



Abundance Ion 63.10 (62.80 to 63.80): VU038831.D (-954) (-)

Ion 65.10 (64.80 to 65.80): VU038831.D (-954) (-)

Ion 83.05 (82.75 to 83.75): VU038831.D (-954) (-)



#22

cis-1,2-Dichloroethene

Concen: 6.638 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. -0.00 min

Lab File: VU038831.D

Acq: 11 Jun 2020 17:43

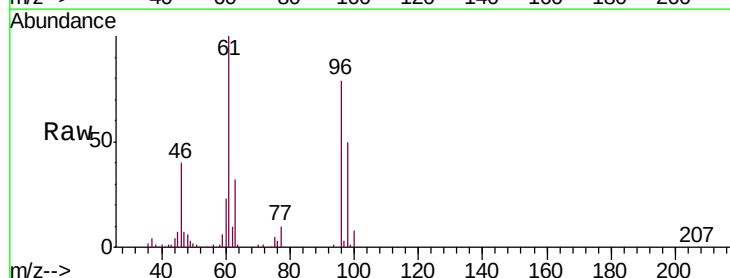
Tgt Ion: 96 Resp: 127399

Ion Ratio Lower Upper

96 100

61 125.9 94.0 174.6

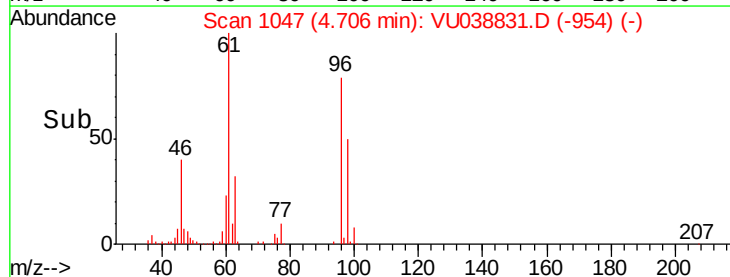
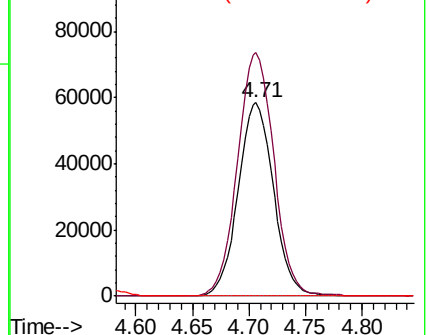
68 0.0 0.0 0.0

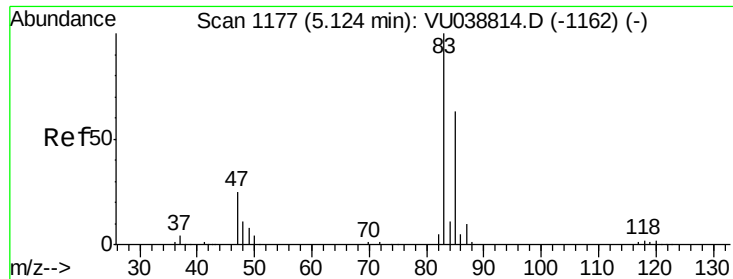


Abundance Ion 96.00 (95.70 to 96.70): VU038831.D (-954) (-)

Ion 61.05 (60.75 to 61.75): VU038831.D (-954) (-)

Ion 68.15 (67.85 to 68.85): VU038831.D (-954) (-)

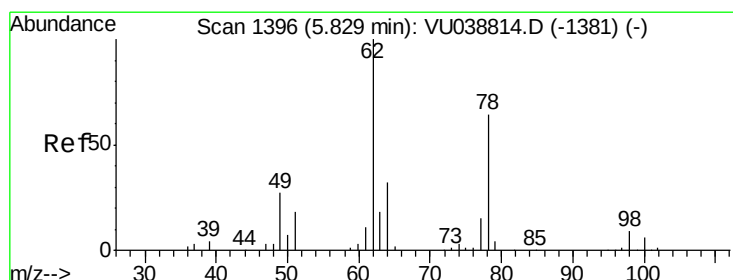
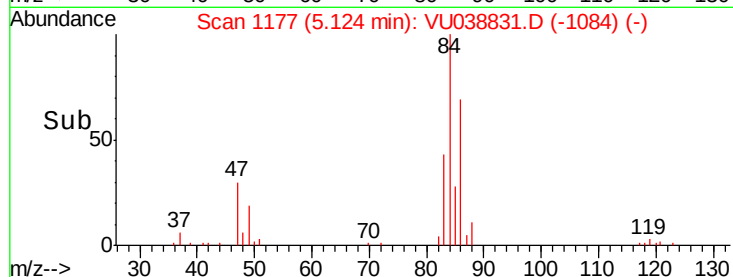
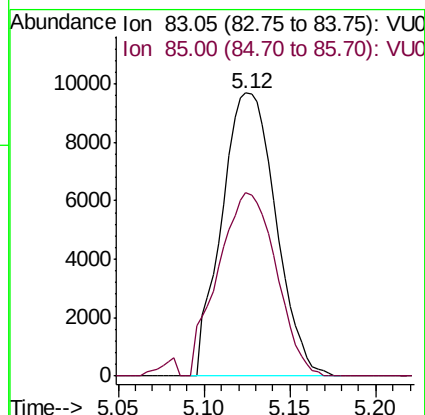
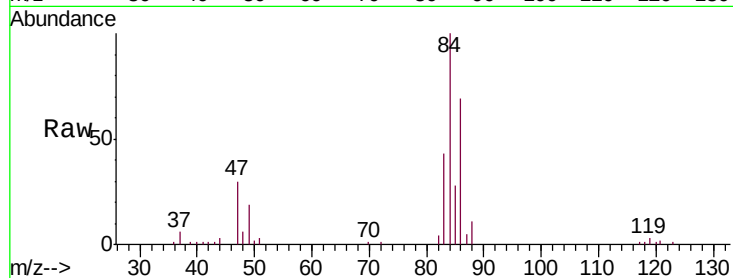




#25
Chloroform
Concen: 0.655 ug/L
RT: 5.12 min Scan# 1177
Delta R.T. -0.00 min
Lab File: VU038831.D
Acq: 11 Jun 2020 17:43

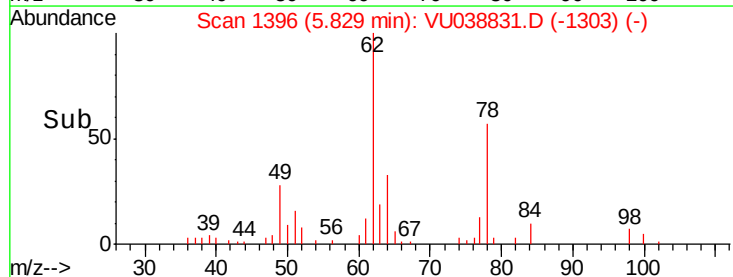
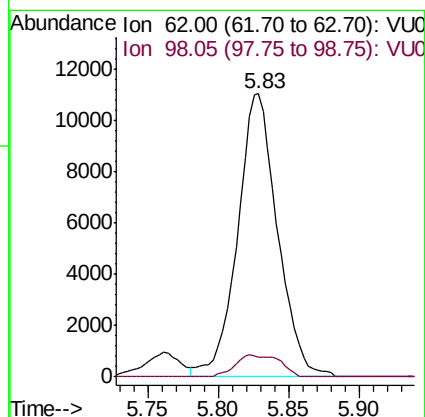
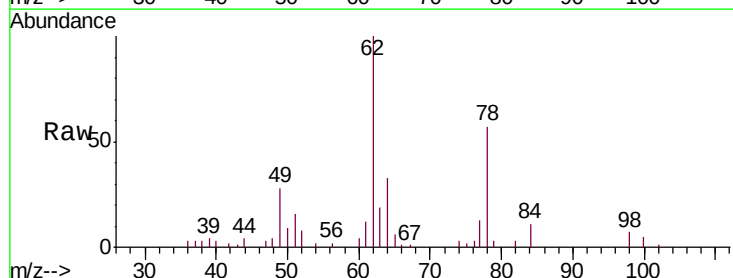
Instrument :
MSVOA_U
ClientSampleId :
BFXE8

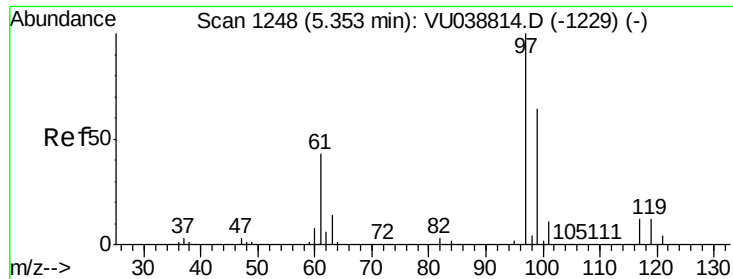
Tgt Ion: 83 Resp: 21232
Ion Ratio Lower Upper
83 100
85 64.7 44.9 83.5



#27
1,2-Dichloroethane
Concen: 0.961 ug/L
RT: 5.83 min Scan# 1396
Delta R.T. -0.00 min
Lab File: VU038831.D
Acq: 11 Jun 2020 17:43

Tgt Ion: 62 Resp: 21924
Ion Ratio Lower Upper
62 100
98 7.1 7.4 11.2#

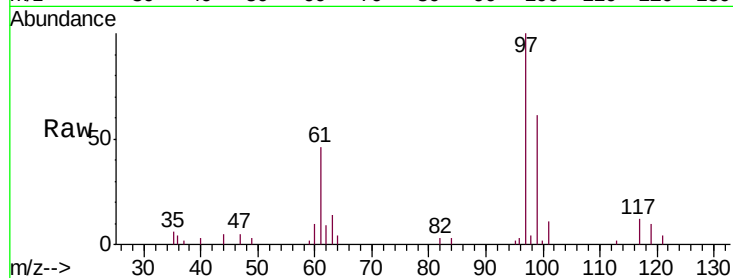




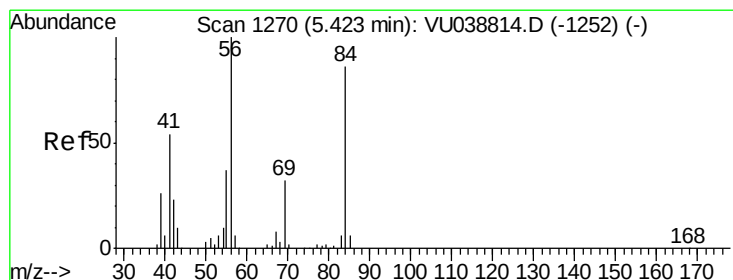
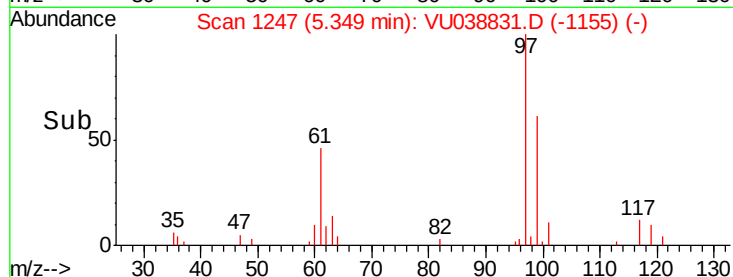
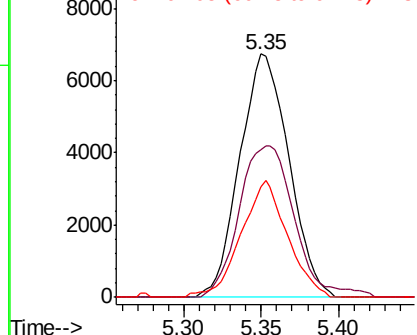
#29
 1,1,1-Trichloroethane
 Concen: 0.523 ug/L
 RT: 5.35 min Scan# 1247
 Delta R.T. -0.00 min
 Lab File: VU038831.D
 Acq: 11 Jun 2020 17:43

Instrument :
 MSVOA_U
 ClientSampleId :
 BFXE8

Tgt Ion: 97 Resp: 14916
 Ion Ratio Lower Upper
 97 100
 99 69.9 52.2 78.2
 61 45.1 35.4 53.2

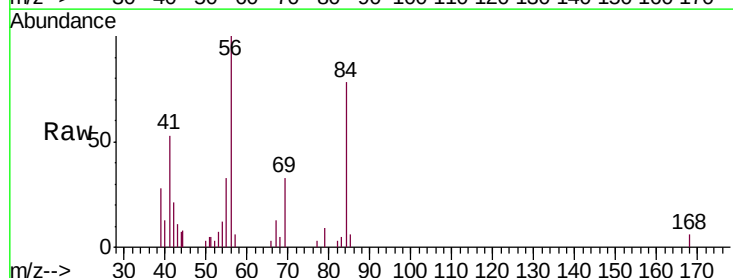


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

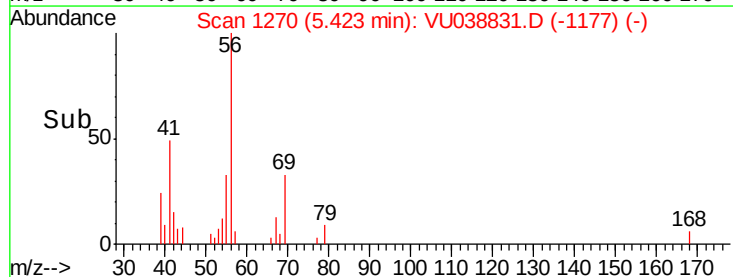
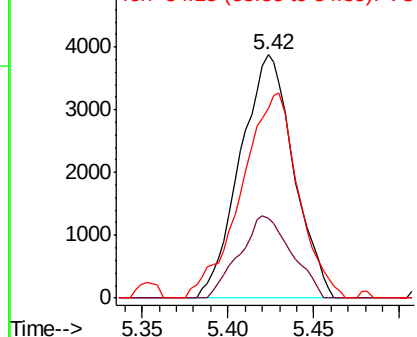


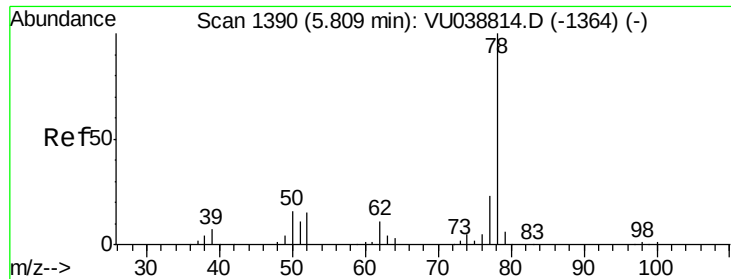
#30
 Cyclohexane
 Concen: 0.279 ug/L
 RT: 5.42 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VU038831.D
 Acq: 11 Jun 2020 17:43

Tgt Ion: 56 Resp: 8355
 Ion Ratio Lower Upper
 56 100
 69 32.7 24.2 36.4
 84 89.9 70.8 106.2



Abundance Ion 56.10 (55.80 to 56.80): VU0
 Ion 69.15 (68.85 to 69.85): VU0
 Ion 84.15 (83.85 to 84.85): VU0





#33

Benzene

Concen: 0.533 ug/L

RT: 5.81 min Scan# 1389

Delta R.T. -0.00 min

Lab File: VU038831.D

Acq: 11 Jun 2020 17:43

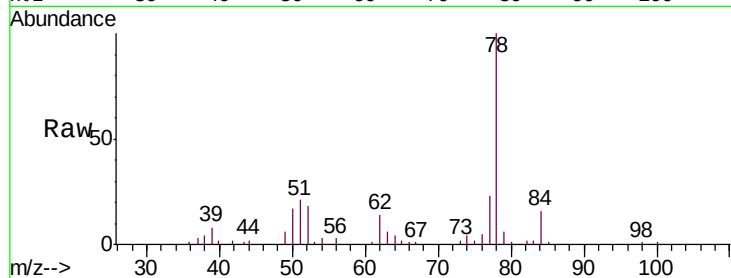
Instrument :

MSVOA_U

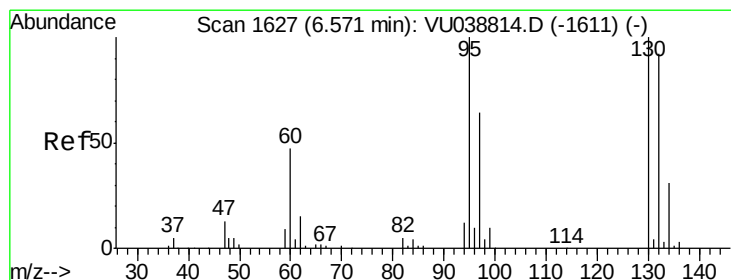
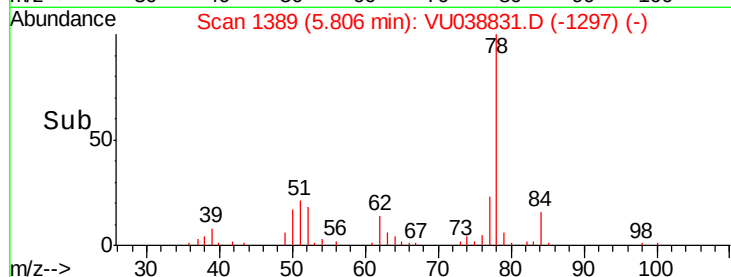
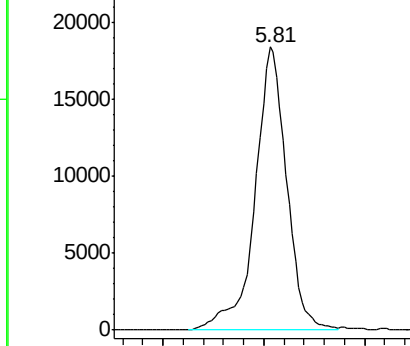
ClientSampled :

BFXE8

Tgt Ion: 78 Resp: 40060



Abundance Ion 78.10 (77.80 to 78.80): VU0



#34

Trichloroethene

Concen: 0.279 ug/L

RT: 6.57 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VU038831.D

Acq: 11 Jun 2020 17:43

Tgt Ion: 95 Resp: 5443

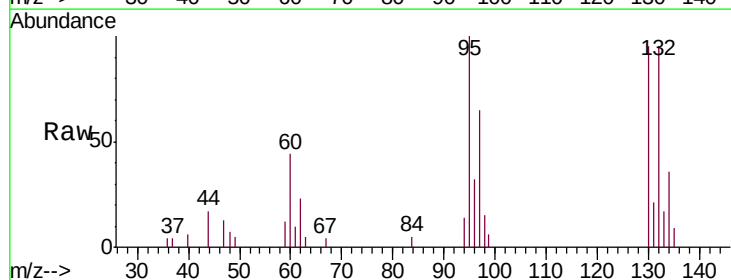
Ion	Ratio	Lower	Upper
95	100		
97	64.5	46.8	87.0
132	94.8	66.1	122.7
130	95.1	70.0	130.0

95 100

97 64.5 46.8 87.0

132 94.8 66.1 122.7

130 95.1 70.0 130.0

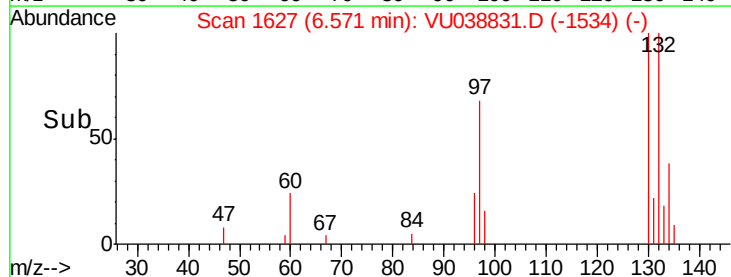
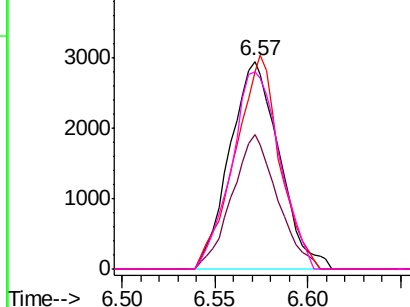


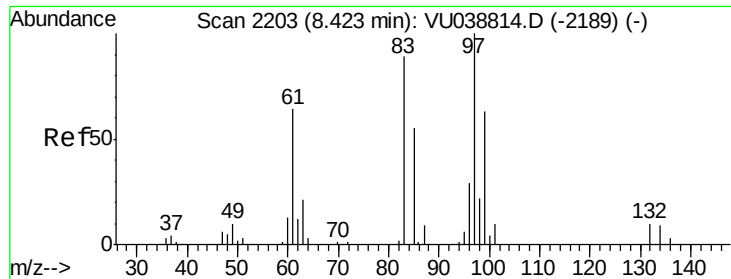
Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V

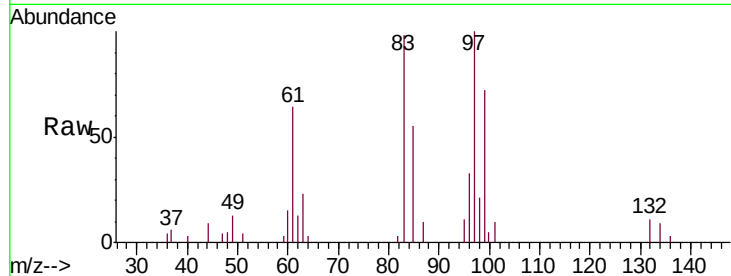




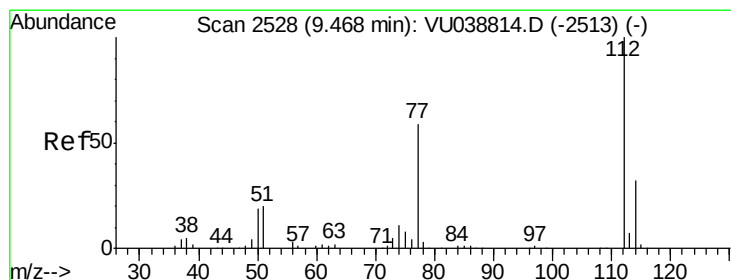
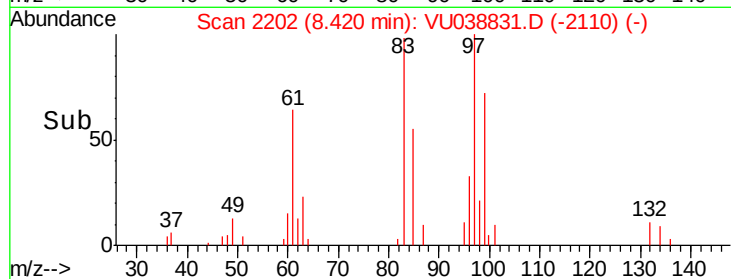
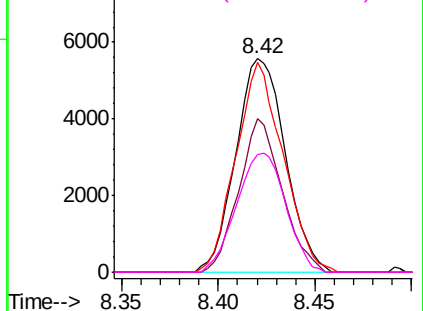
#45
1,1,2-Trichloroethane
Concen: 0.696 ug/L
RT: 8.42 min Scan# 2202
Delta R.T. -0.00 min
Lab File: VU038831.D
Acq: 11 Jun 2020 17:43

Instrument :
MSVOA_U
ClientSampleId :
BFXE8

Tgt Ion:	97	Resp:	9925
Ion	Ratio	Lower	Upper
97	100		
99	72.0	42.1	78.1
83	98.2	58.8	109.2
85	55.1	37.4	69.4

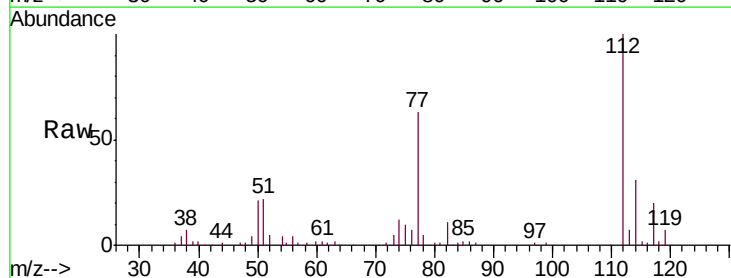


Abundance Ion 96.95 (96.65 to 97.65): VU0
Ion 99.05 (98.75 to 99.75): VU0
Ion 82.95 (82.65 to 83.65): VU0
Ion 85.00 (84.70 to 85.70): VU0

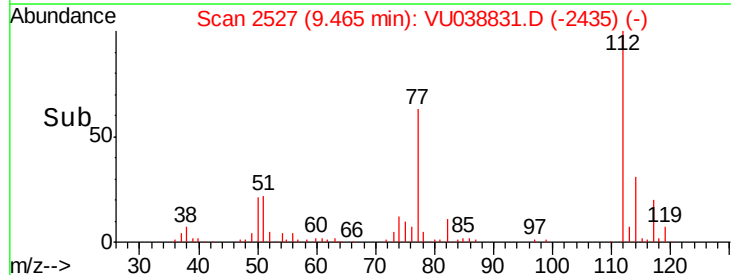
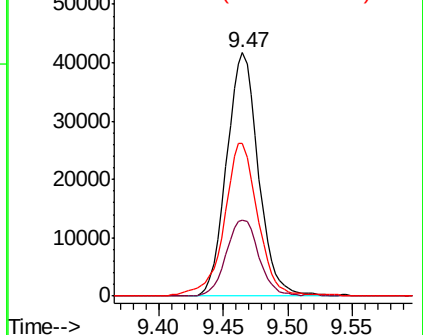


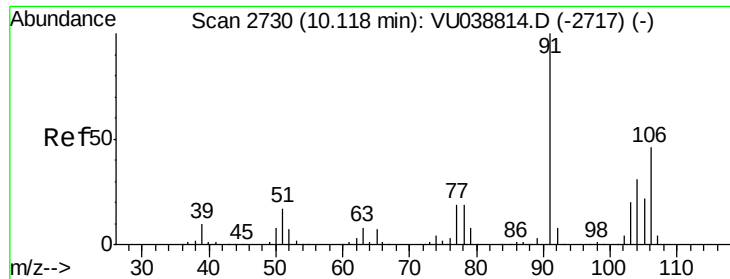
#51
Chlorobenzene
Concen: 1.404 ug/L
RT: 9.47 min Scan# 2527
Delta R.T. -0.00 min
Lab File: VU038831.D
Acq: 11 Jun 2020 17:43

Tgt Ion:	112	Resp:	71341
Ion	Ratio	Lower	Upper
112	100		
114	31.2	22.4	41.6
77	62.9	47.1	70.7



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): VU0

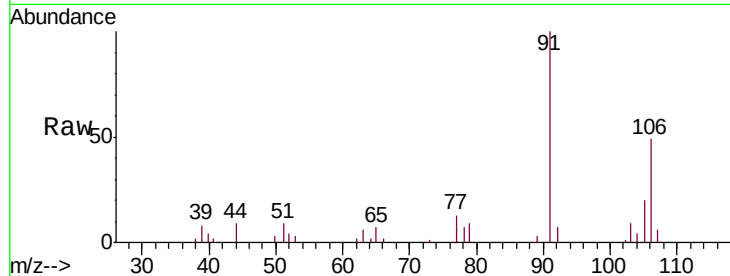




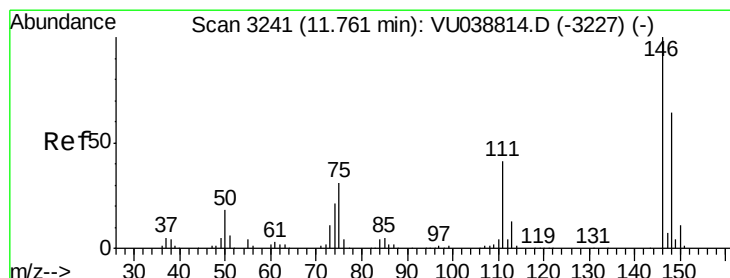
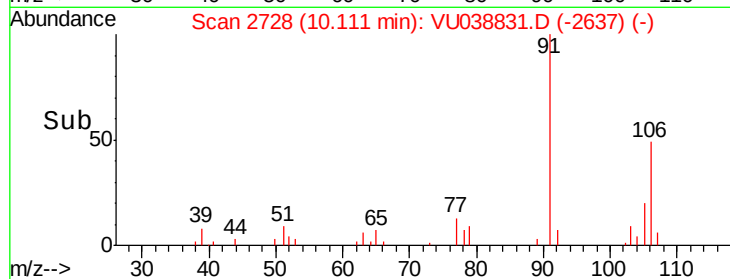
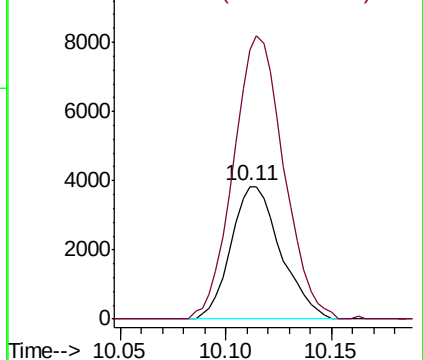
#54
o-Xylene
Concen: 0.194 ug/L
RT: 10.11 min Scan# 2728
Delta R.T. -0.01 min
Lab File: VU038831.D
Acq: 11 Jun 2020 17:43

Instrument :
MSVOA_U
ClientSampleId :
BFXE8

Tgt Ion:106 Resp: 6275
Ion Ratio Lower Upper
106 100
91 202.5 150.6 279.8

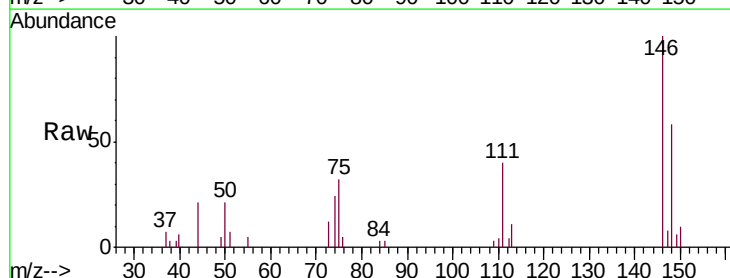


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

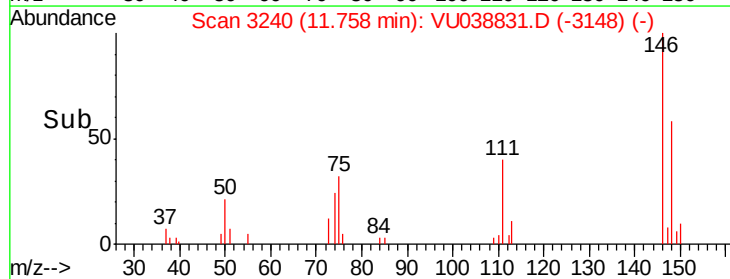
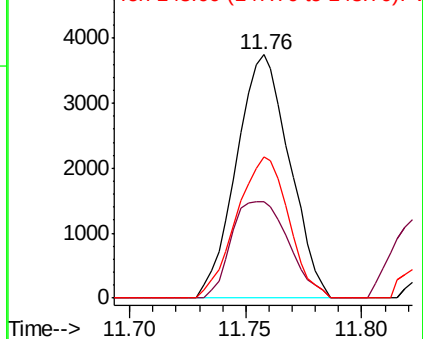


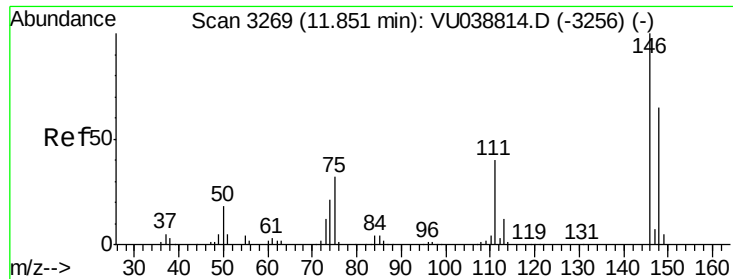
#62
1,3-Dichlorobenzene
Concen: 0.159 ug/L
RT: 11.76 min Scan# 3240
Delta R.T. -0.00 min
Lab File: VU038831.D
Acq: 11 Jun 2020 17:43

Tgt Ion:146 Resp: 5975
Ion Ratio Lower Upper
146 100
111 39.7 29.5 54.9
148 58.1 45.6 84.6



Abundance Ion 145.95 (145.65 to 146.65): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V





#63

1,4-Dichlorobenzene

Concen: 0.279 ug/L

RT: 11.85 min Scan# 3268

Delta R.T. -0.00 min

Lab File: VU038831.D

Acq: 11 Jun 2020 17:43

Instrument :

MSVOA_U

ClientSampled :

BFXE8

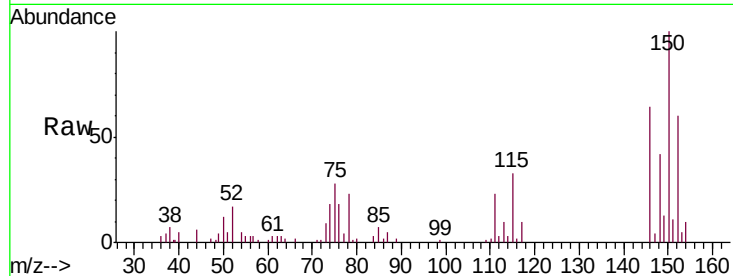
Tgt Ion:146 Resp: 10650

Ion Ratio Lower Upper

146 100

111 36.3 27.6 51.2

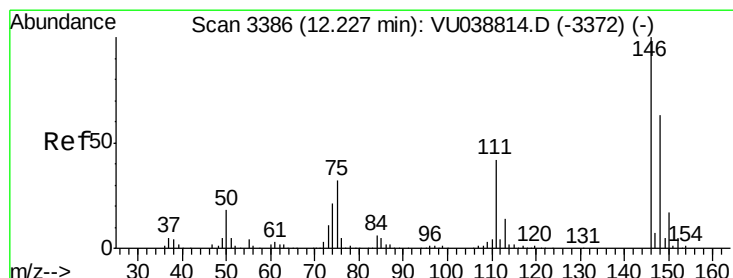
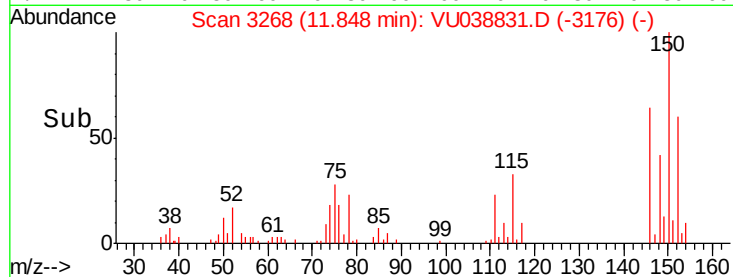
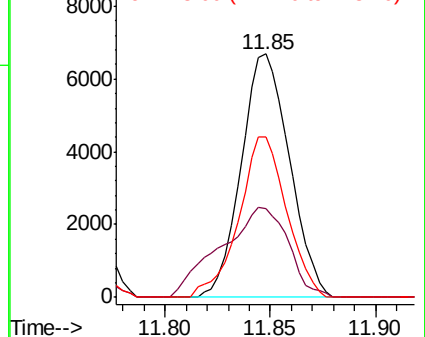
148 65.7 44.8 83.2



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#65

1,2-Dichlorobenzene

Concen: 0.151 ug/L

RT: 12.23 min Scan# 3386

Delta R.T. -0.00 min

Lab File: VU038831.D

Acq: 11 Jun 2020 17:43

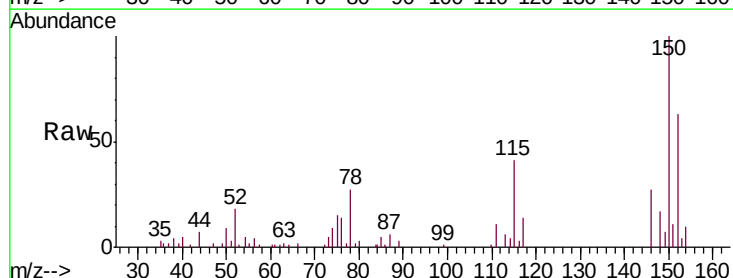
Tgt Ion:146 Resp: 5393

Ion Ratio Lower Upper

146 100

111 41.2 35.1 52.7

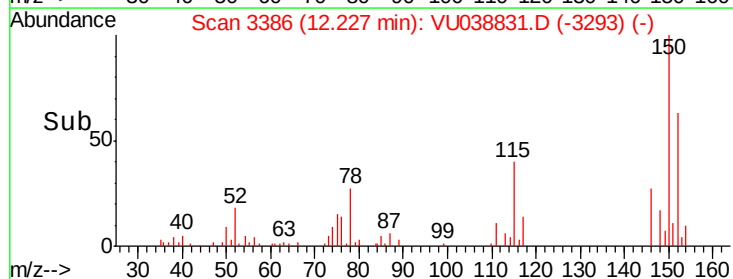
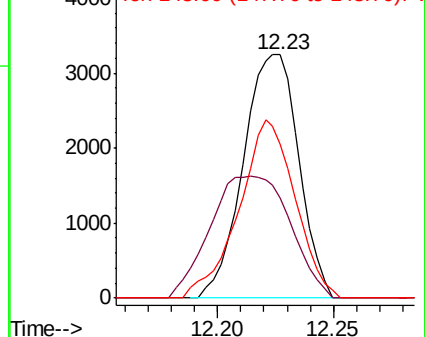
148 63.5 50.9 76.3

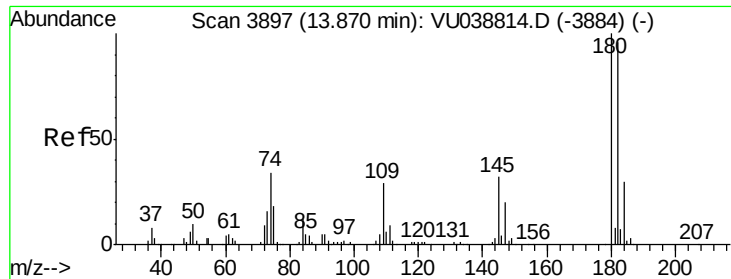


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#68
 1,2,4-trichlorobenzene
 Concen: 0.103 ug/L
 RT: 13.86 min Scan# 3895
 Delta R.T. -0.01 min
 Lab File: VU038831.D
 Acq: 11 Jun 2020 17:43

Instrument :
 MSVOA_U
 ClientSampleId :
 BFXE8

Tgt Ion	Resp	Lower	Upper
180	100		
182	90.4	75.8	113.8
145	30.5	25.3	37.9

