

Data File : VU032651.D
Acq On : 12 Jun 2019 14:56
Operator : JC/SP
Sample : K3293-15
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DB8P3

Quant Time: Jun 13 05:05:50 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060619WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Jun 13 05:01:06 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	169624	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	163736	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	88259	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	46437	42.20	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	84.40%
7) Chloroethane-d5	1.66	69	39546	44.72	ug/L	-0.01
Spiked Amount	50.000	Range	70 - 130	Recovery	=	89.44%
11) 1,1-Dichloroethene-d2	2.26	63	88751	41.19	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.38%
21) 2-Butanone-d5	4.17	46	96110	104.36	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	104.36%
24) Chloroform-d	4.64	84	97799	47.65	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.30%
26) 1,2-Dichloroethane-d4	5.30	65	65903	50.97	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.94%
32) Benzene-d6	5.33	84	189877	44.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.34%
36) 1,2-Dichloropropane-d6	6.32	67	62776	47.10	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.20%
41) Toluene-d8	7.56	98	175293	43.49	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.98%
43) trans-1,3-Dichloropropene-	7.85	79	30799	48.28	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.56%
47) 2-Hexanone-d5	8.31	63	67603	104.56	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	104.56%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	101073	52.33	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	104.66%
64) 1,2-Dichlorobenzene-d4	11.85	152	81813	48.40	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.80%

Target Compounds

						Qvalue
5) Vinyl chloride	1.40	62	56466	38.255	ug/L	100
8) Chloroethane	1.68	64	46951	53.513	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	811	0.782	ug/L #	18
12) 1,1-Dichloroethene	2.27	96	34886	34.661	ug/L	92
13) Acetone	2.32	43	719	0.757	ug/L	84
14) Carbon disulfide	2.47	76	168351	55.049	ug/L	98
15) Methyl Acetate	2.61	43	92718	68.338	ug/L	100
16) Methylene chloride	2.69	84	39727	34.591	ug/L	97
18) Methyl tert-butyl Ether	2.99	73	152658	42.603	ug/L	98
19) 1,1-Dichloroethane	3.44	63	45955	23.112	ug/L	99
20) cis-1,2-Dichloroethene	4.22	96	26201	21.226	ug/L	95
27) 1,2-Dichloroethane	5.40	62	107462	66.251	ug/L	99
30) 1,1,1-Trichloroethane	4.91	97	79589	42.939	ug/L	97
31) Carbon tetrachloride	4.90	117	10385	6.113	ug/L	100
34) Trichloroethene	6.18	95	86794	69.346	ug/L	99
37) 1,2-Dichloropropane	6.42	63	32093	26.316	ug/L	100
40) 4-Methyl-2-pentanone	7.45	43	99808	50.873	ug/L	100

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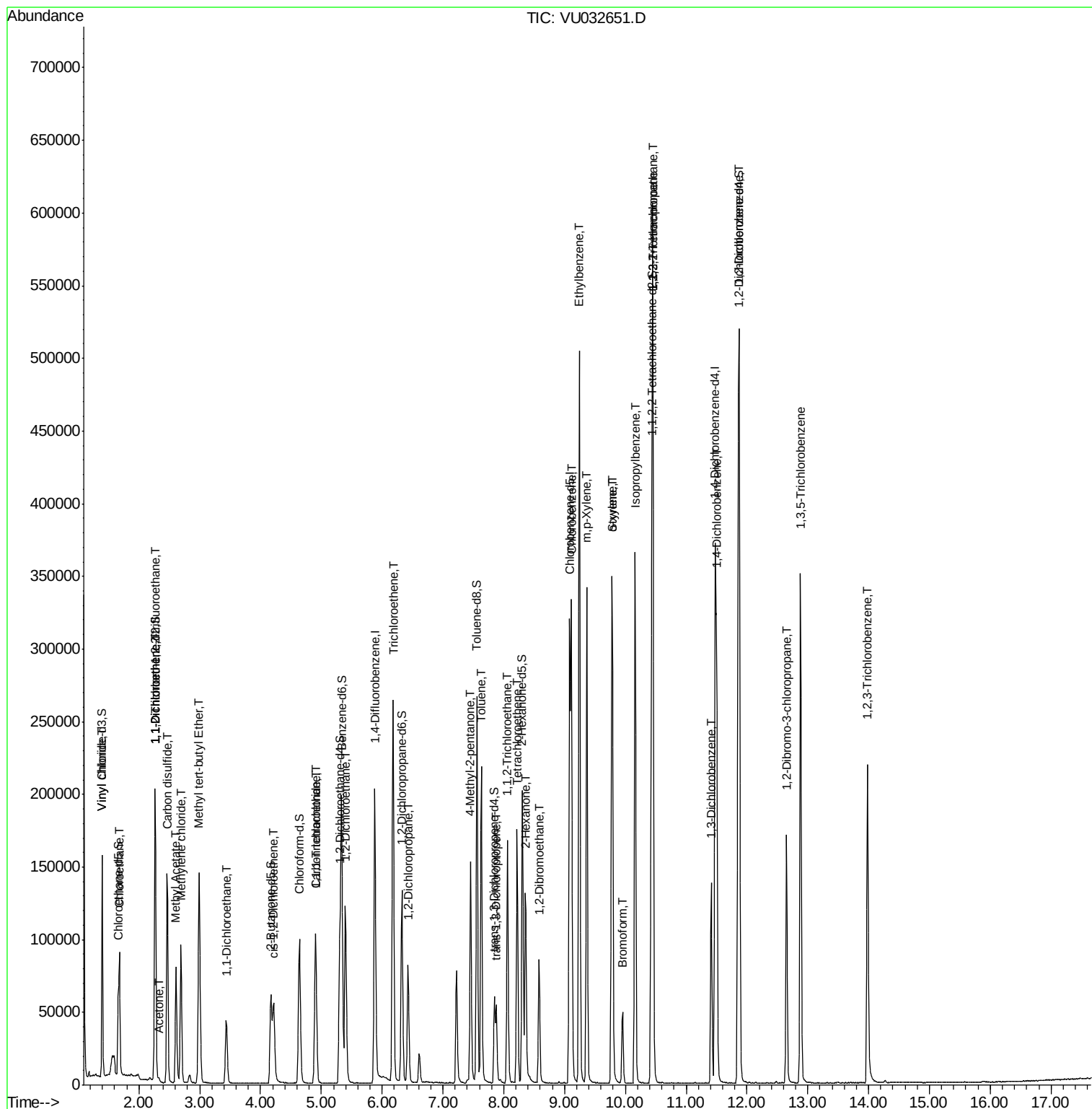
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.63	91	157353	31.232	ug/L	99
44) trans-1,3-Dichloropropene	7.87	75	30001	17.567	ug/L	99
45) 1,1,2-Trichloroethane	8.06	97	49822	43.202	ug/L	98
46) Tetrachloroethene	8.22	164	38206	36.959	ug/L	99
48) 2-Hexanone	8.36	43	85431	53.016	ug/L	97
50) 1,2-Dibromoethane	8.58	107	53478	41.198	ug/L	99
51) Chlorobenzene	9.11	112	170126	52.411	ug/L	99
52) Ethylbenzene	9.24	91	346953	61.780	ug/L	99
53) m,p-Xylene	9.37	106	89577	41.947	ug/L	96
54) o-xylene	9.77	106	44125	20.811	ug/L	99
55) Styrene	9.79	104	123326	34.841	ug/L	99
56) Isopropylbenzene	10.16	105	231173	41.348	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.45	83	150676	76.446	ug/L	100
59) 1,2,3-Trichloropropane	10.45	75	9933	6.266	ug/L #	1
61) Bromoform	9.95	173	22015	20.921	ug/L	98
62) 1,3-Dichlorobenzene	11.41	146	55742	20.876	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	113204	41.468	ug/L	100
65) 1,2-Dichlorobenzene	11.87	146	173687	64.338	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	40490	89.145	ug/L	99
67) 1,3,5-Trichlorobenzene	12.88	180	112690	54.244	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	76333	41.674	ug/L	99

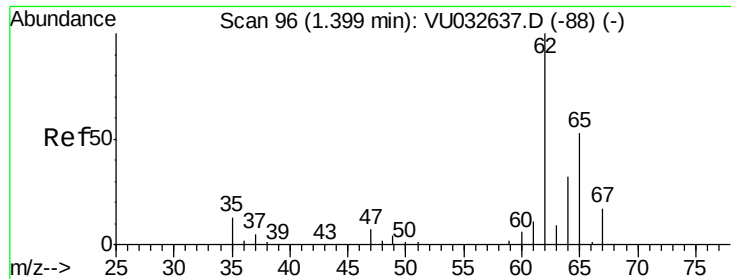
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 38.255 ug/L

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

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MSVOA_U

ClientSampleId :

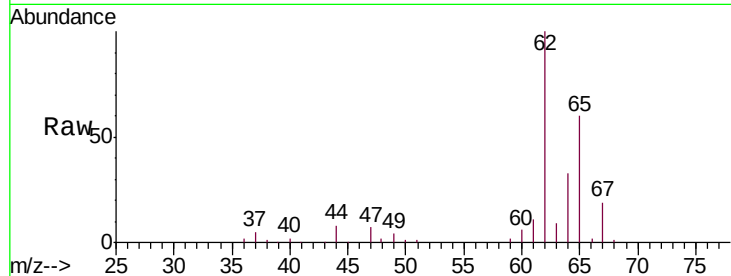
DB8P3

Tgt Ion: 62 Resp: 56466

Ion Ratio Lower Upper

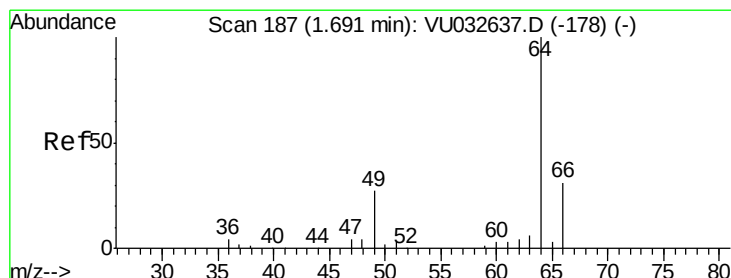
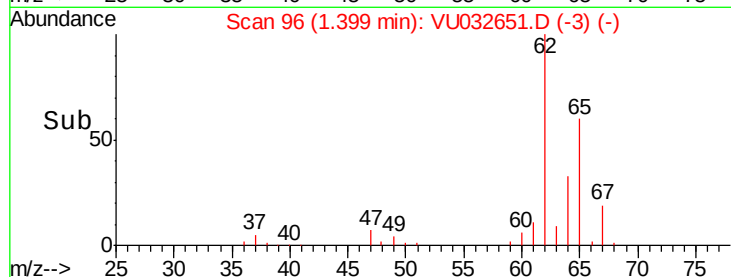
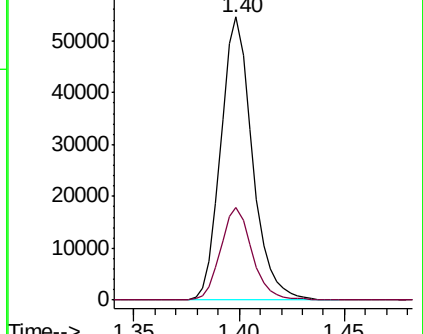
62 100

64 32.6 22.6 42.0



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0



#8

Chloroethane

Concen: 53.513 ug/L

RT: 1.68 min Scan# 183

Delta R.T. -0.01 min

Lab File: VU032651.D

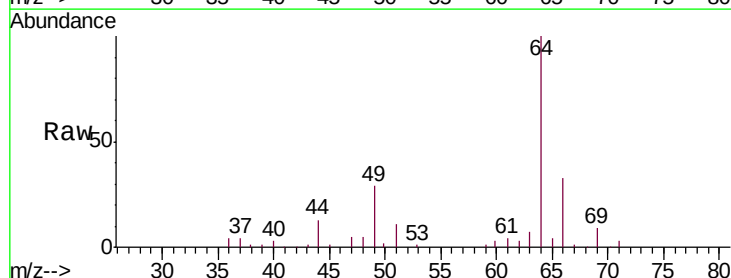
Acq: 12 Jun 2019 14:56

Tgt Ion: 64 Resp: 46951

Ion Ratio Lower Upper

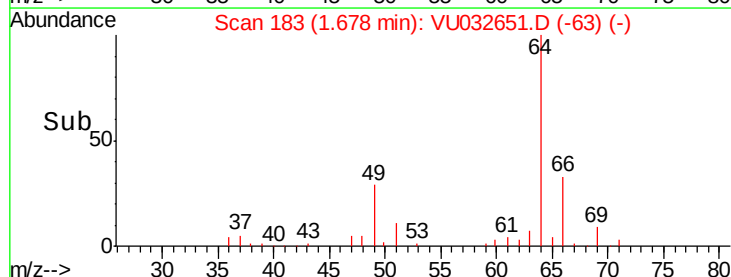
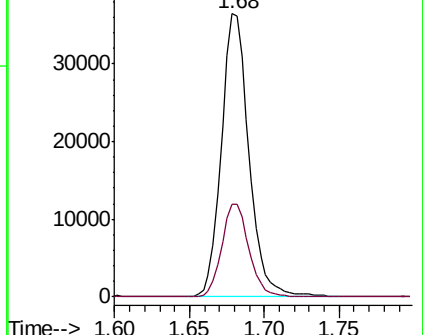
64 100

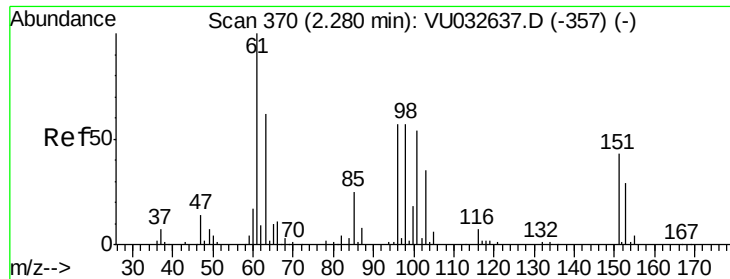
66 32.5 22.9 42.5



Abundance Ion 64.00 (63.70 to 64.70): VU0

Ion 66.00 (65.70 to 66.70): VU0





#10

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

Concen: 0.782 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.01 min

Lab File: VU032651.D

Acq: 12 Jun 2019 14:56

Instrument :

MSVOA_U

ClientSampleId :

DB8P3

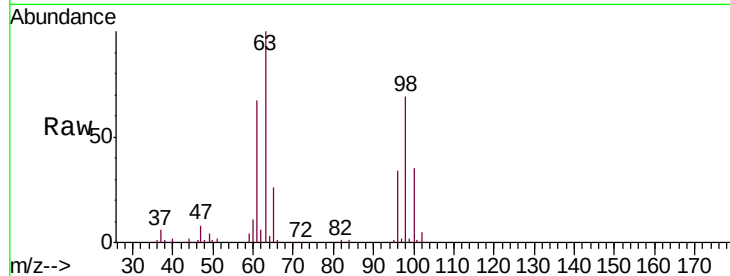
Tgt Ion: 101 Resp: 811

Ion Ratio Lower Upper

101 100

85 0.0 36.1 54.1#

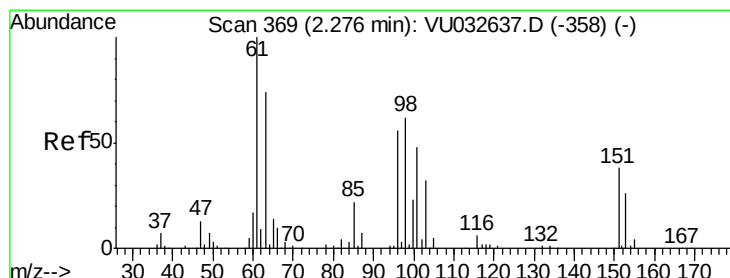
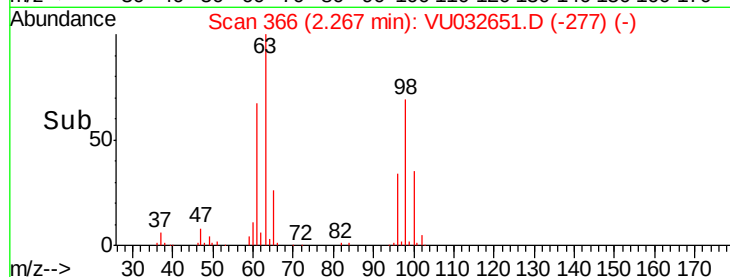
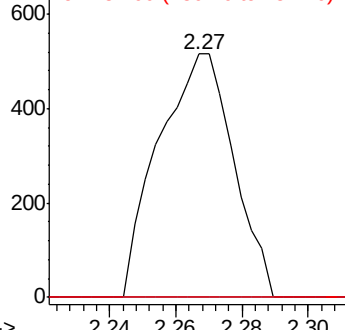
151 0.0 63.0 94.4#



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: 34.661 ug/L

RT: 2.27 min Scan# 368

Delta R.T. -0.00 min

Lab File: VU032651.D

Acq: 12 Jun 2019 14:56

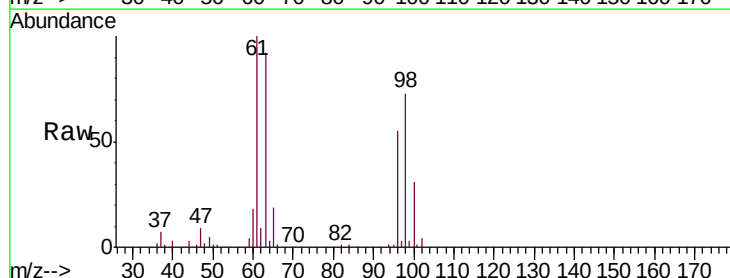
Tgt Ion: 96 Resp: 34886

Ion Ratio Lower Upper

96 100

61 182.1 129.5 240.5

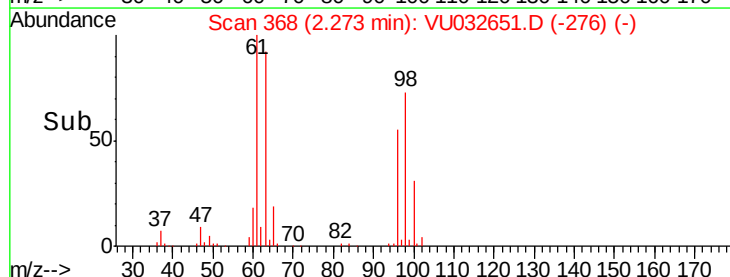
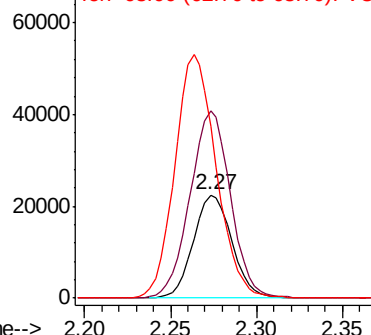
63 167.0 103.4 192.0

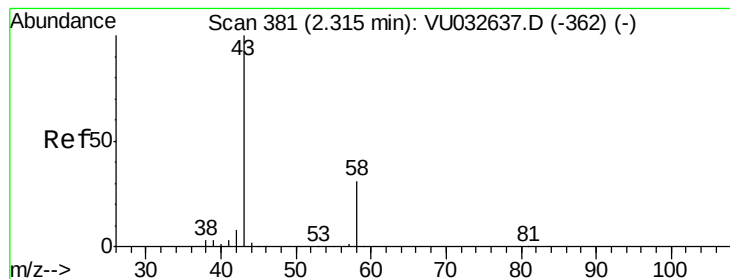


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 0.757 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VU032651.D

Acq: 12 Jun 2019 14:56

Instrument :

MSVOA_U

ClientSampleId :

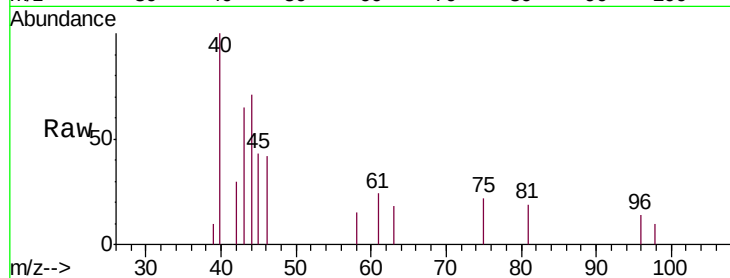
DB8P3

Tgt Ion: 43 Resp: 719

Ion Ratio Lower Upper

43 100

58 22.8 0.0 64.0



Abundance Ion 43.00 (42.70 to 43.70): VU032637.D (-362) (-)

Ion 58.00 (57.70 to 58.70): VU032637.D (-362) (-)

2.32

600

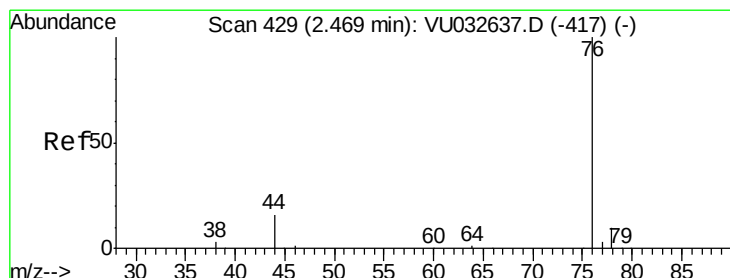
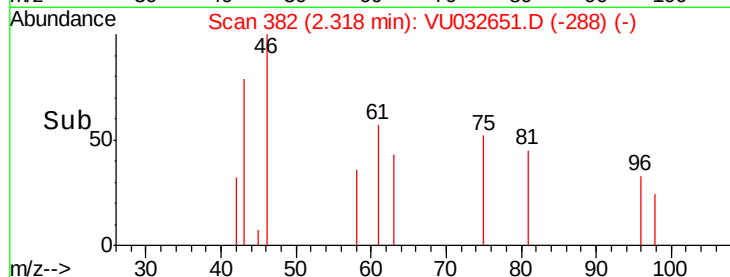
400

200

0

2.28 2.30 2.32 2.34 2.36

Time-->



#14

Carbon disulfide

Concen: 55.049 ug/L

RT: 2.47 min Scan# 428

Delta R.T. -0.00 min

Lab File: VU032651.D

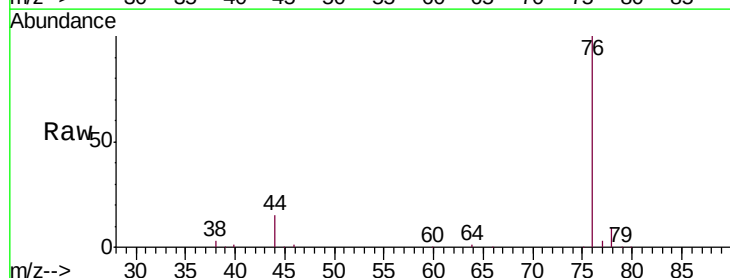
Acq: 12 Jun 2019 14:56

Tgt Ion: 76 Resp: 168351

Ion Ratio Lower Upper

76 100

78 8.8 7.6 11.4



Abundance Ion 76.00 (75.70 to 76.70): VU032637.D (-417) (-)

Ion 78.00 (77.70 to 78.70): VU032637.D (-417) (-)

2.47

120000

100000

80000

60000

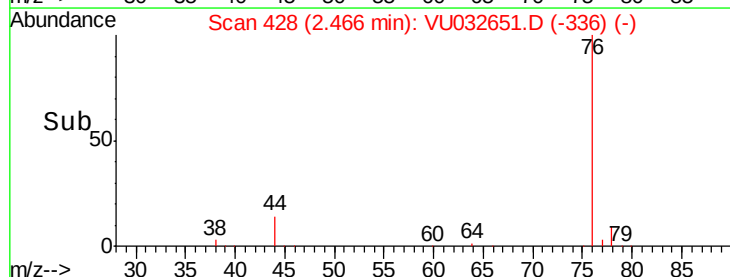
40000

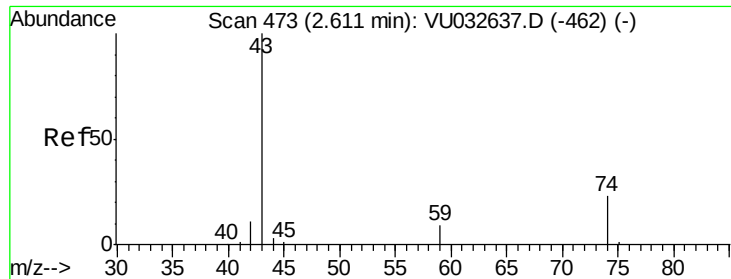
20000

0

2.40 2.45 2.50 2.55

Time-->

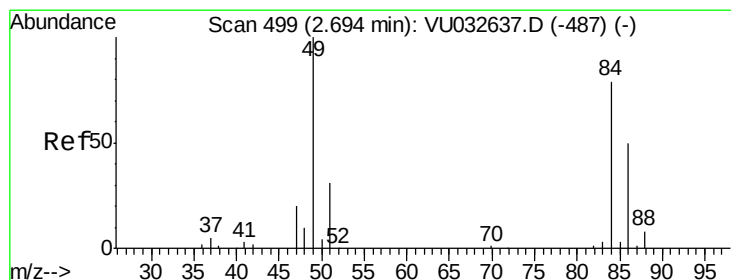
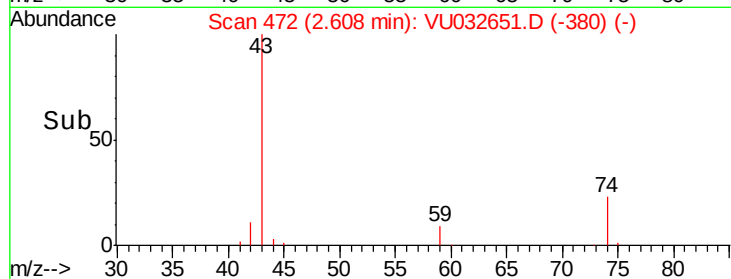
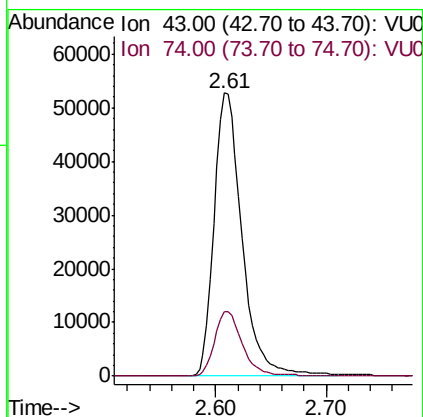
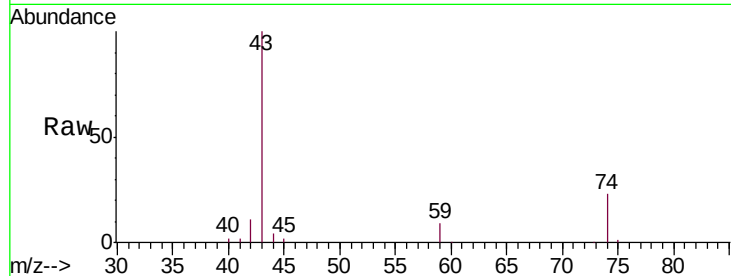




#15
Methyl Acetate
Concen: 68.338 ug/L
RT: 2.61 min Scan# 472
Delta R.T. -0.00 min
Lab File: VU032651.D
Acq: 12 Jun 2019 14:56

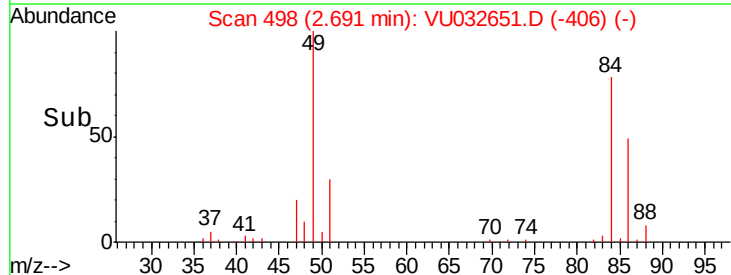
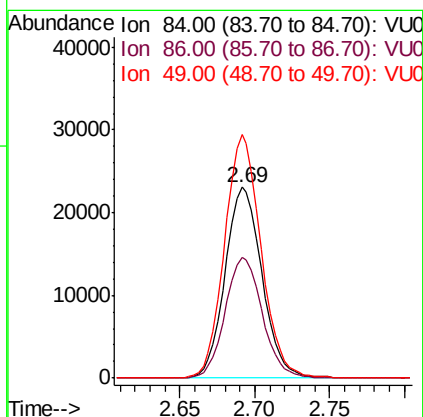
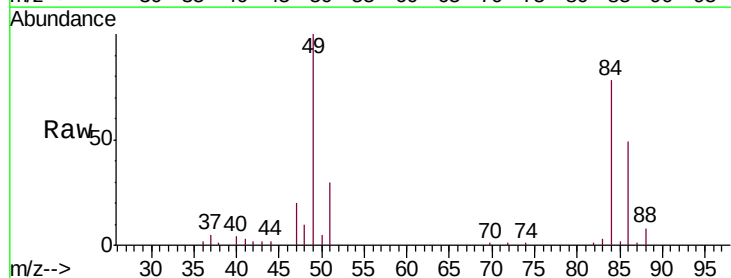
Instrument :
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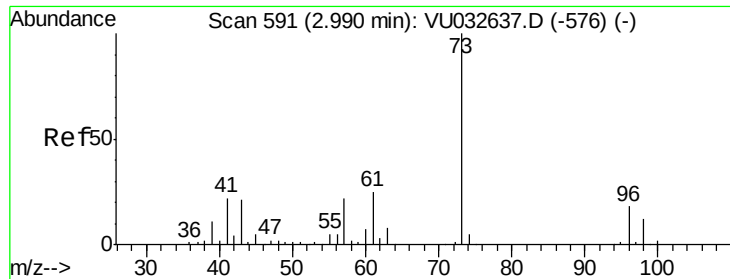
Tgt Ion: 43 Resp: 92718
Ion Ratio Lower Upper
43 100
74 22.4 18.0 27.0



#16
Methylene chloride
Concen: 34.591 ug/L
RT: 2.69 min Scan# 498
Delta R.T. -0.00 min
Lab File: VU032651.D
Acq: 12 Jun 2019 14:56

Tgt Ion: 84 Resp: 39727
Ion Ratio Lower Upper
84 100
86 63.1 44.7 82.9
49 127.7 86.1 159.9

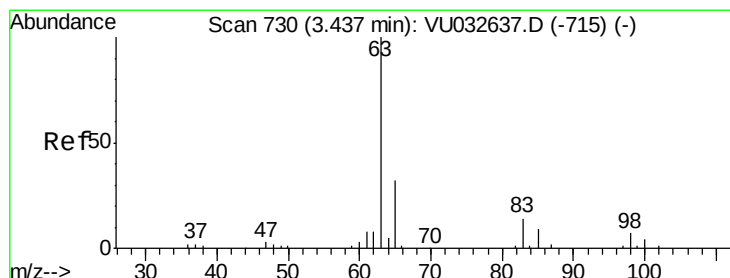
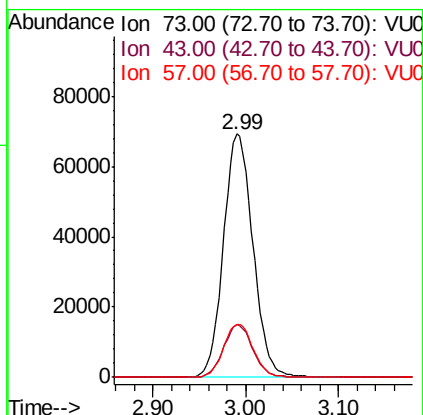
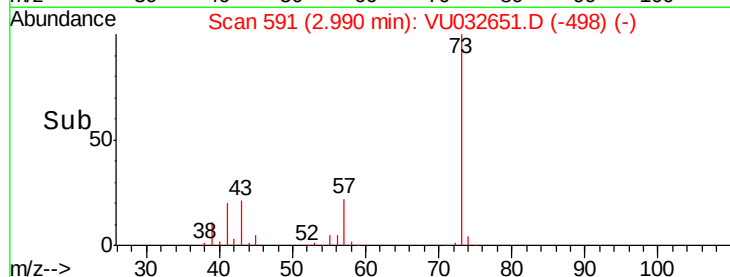
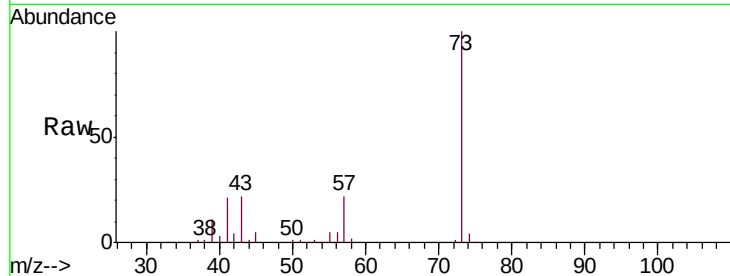




#18
Methyl tert-butyl Ether
Concen: 42.603 ug/L
RT: 2.99 min Scan# 591
Delta R.T. 0.00 min
Lab File: VU032651.D
Acq: 12 Jun 2019 14:56

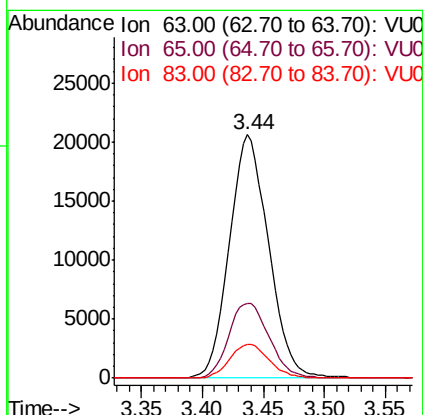
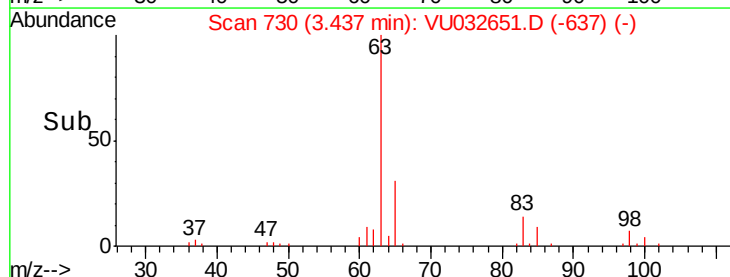
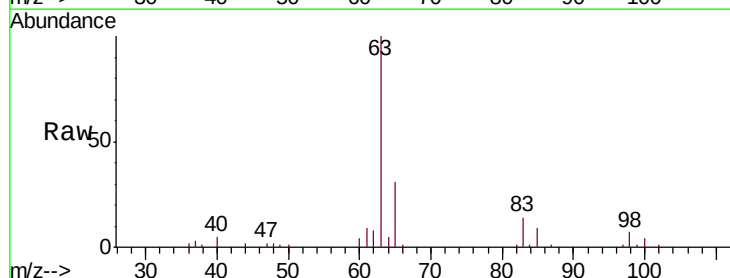
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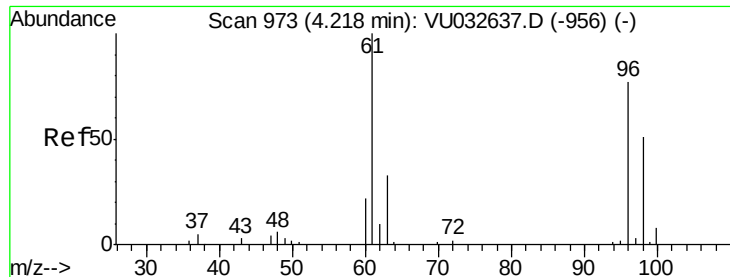
Tgt Ion: 73 Resp: 152658
Ion Ratio Lower Upper
73 100
43 21.5 15.8 23.6
57 21.9 17.6 26.4



#19
1,1-Dichloroethane
Concen: 23.112 ug/L
RT: 3.44 min Scan# 730
Delta R.T. 0.00 min
Lab File: VU032651.D
Acq: 12 Jun 2019 14:56

Tgt Ion: 63 Resp: 45955
Ion Ratio Lower Upper
63 100
65 30.7 21.8 40.6
83 13.6 9.8 18.2

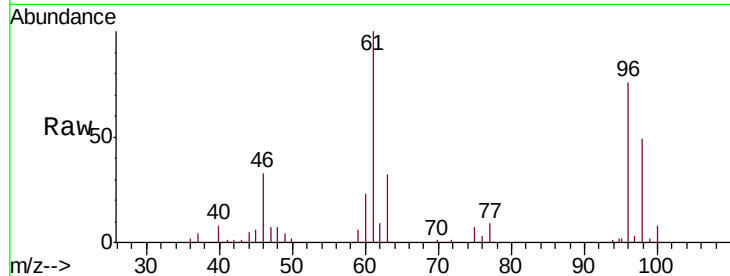




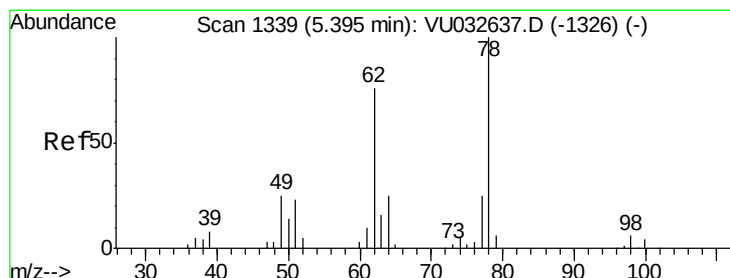
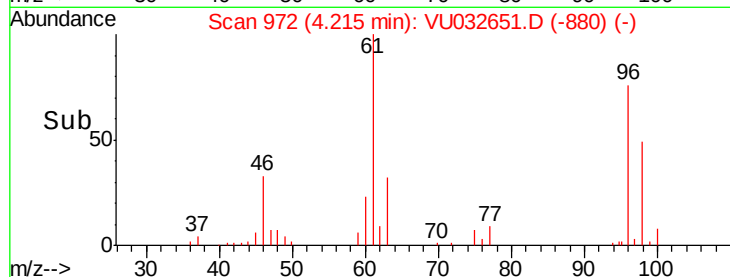
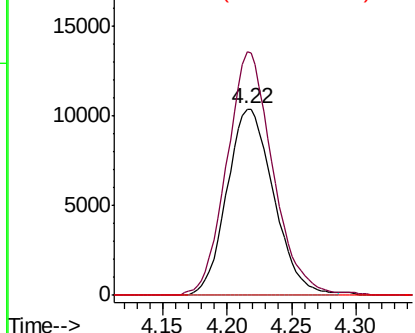
#20
 cis-1,2-Dichloroethene
 Concen: 21.226 ug/L
 RT: 4.22 min Scan# 972
 Delta R.T. -0.00 min
 Lab File: VU032651.D
 Acq: 12 Jun 2019 14:56

Instrument :
 MSVOA_U
 ClientSampleId :
 DB8P3

Tgt Ion: 96 Resp: 26201
 Ion Ratio Lower Upper
 96 100
 61 130.8 87.2 162.0
 68 0.0 0.0 0.0

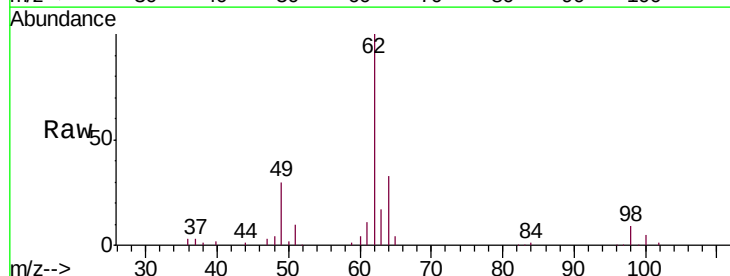


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.00 (60.70 to 61.70): VU0
 Ion 68.00 (67.70 to 68.70): VU0

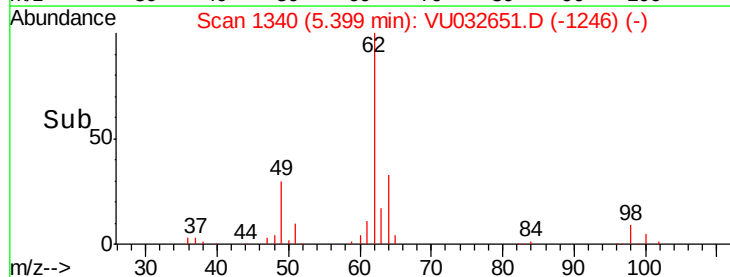
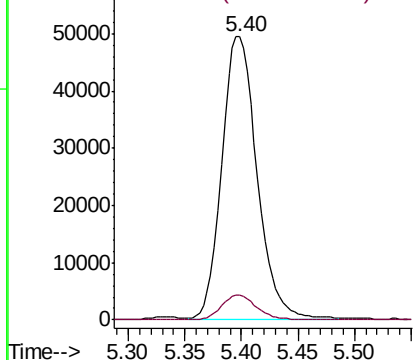


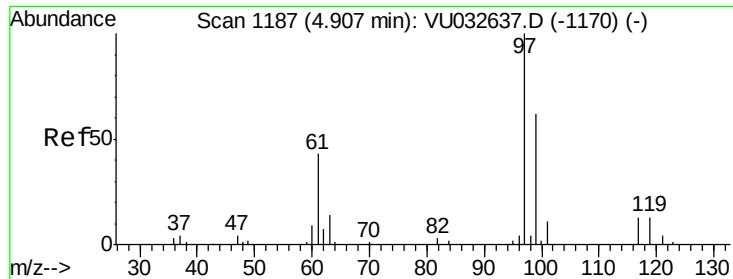
#27
 1,2-Dichloroethane
 Concen: 66.251 ug/L
 RT: 5.40 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VU032651.D
 Acq: 12 Jun 2019 14:56

Tgt Ion: 62 Resp: 107462
 Ion Ratio Lower Upper
 62 100
 98 8.7 7.2 10.8



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

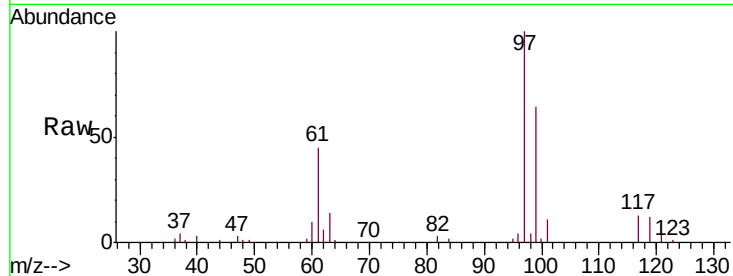




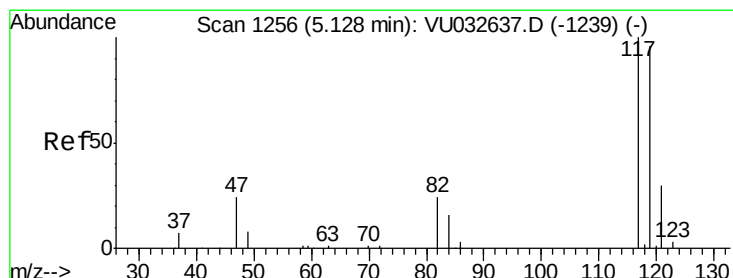
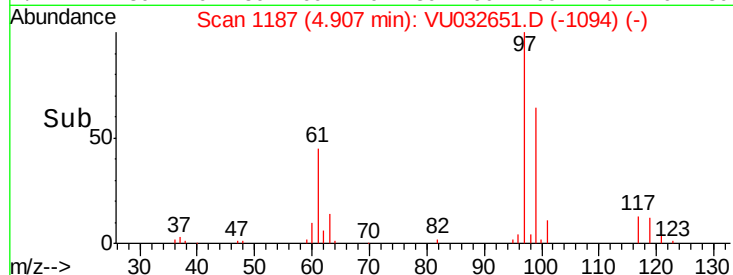
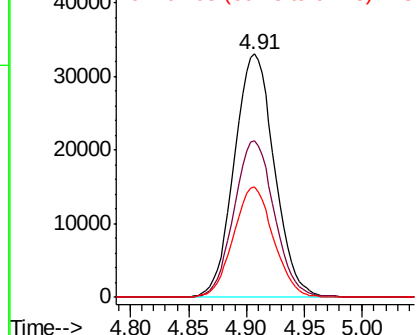
#30
 1,1,1-Trichloroethane
 Concen: 42.939 ug/L
 RT: 4.91 min Scan# 1187
 Delta R.T. 0.00 min
 Lab File: VU032651.D
 Acq: 12 Jun 2019 14:56

Instrument :
 MSVOA_U
 ClientSampleId :
 DB8P3

Tgt Ion: 97 Resp: 79589
 Ion Ratio Lower Upper
 97 100
 99 64.7 50.5 75.7
 61 45.0 33.8 50.6

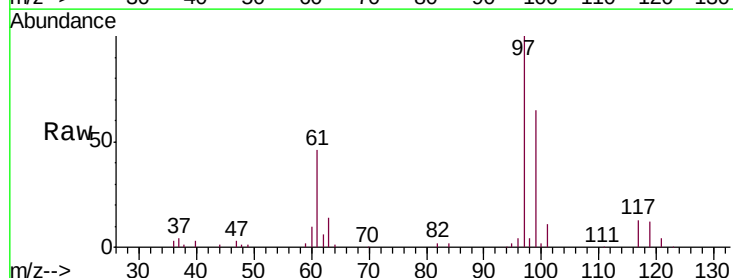


Abundance Ion 97.00 (96.70 to 97.70): VU0
 Ion 99.00 (98.70 to 99.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0

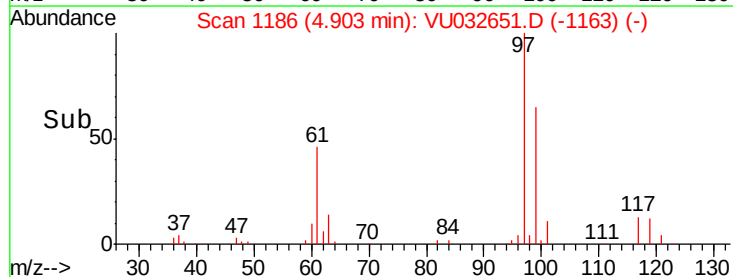
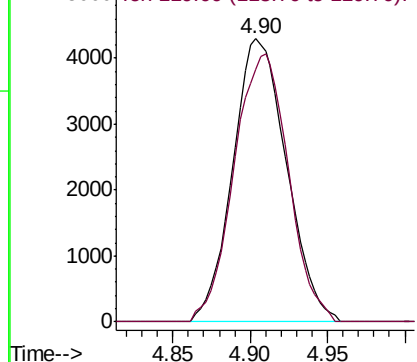


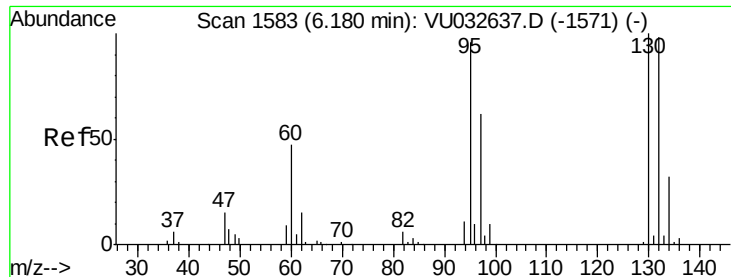
#31
 Carbon tetrachloride
 Concen: 6.113 ug/L
 RT: 4.90 min Scan# 1186
 Delta R.T. -0.23 min
 Lab File: VU032651.D
 Acq: 12 Jun 2019 14:56

Tgt Ion: 117 Resp: 10385
 Ion Ratio Lower Upper
 117 100
 119 95.5 76.6 114.8



Abundance Ion 117.00 (116.70 to 117.70): V
 Ion 119.00 (118.70 to 119.70): V

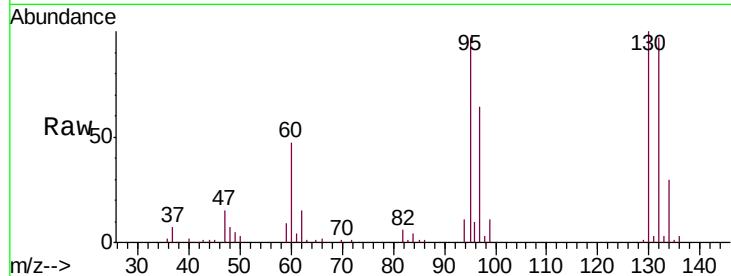




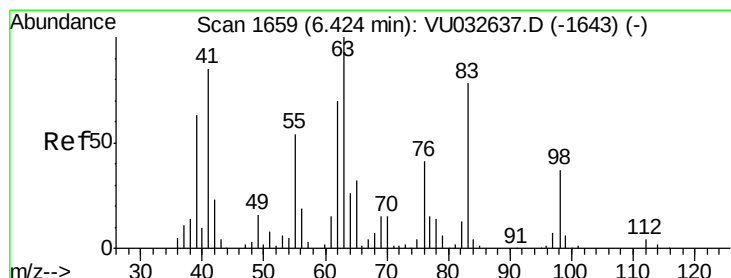
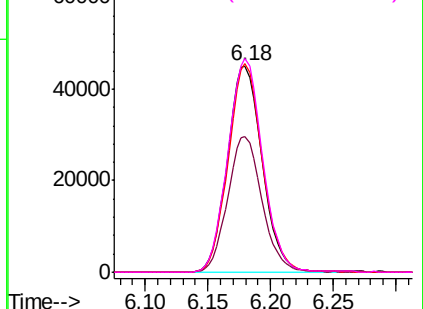
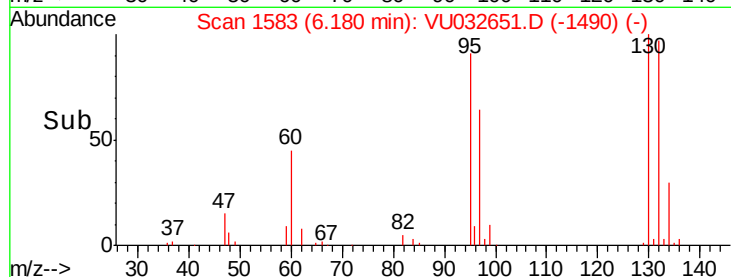
#34
 Trichloroethene
 Concen: 69.346 ug/L
 RT: 6.18 min Scan# 1583
 Delta R.T. 0.00 min
 Lab File: VU032651.D
 Acq: 12 Jun 2019 14:56

Instrument :
 MSVOA_U
 ClientSampleId :
 DB8P3

Tgt Ion: 95 Resp: 86794
 Ion Ratio Lower Upper
 95 100
 97 66.1 45.8 85.2
 132 101.0 71.0 131.8
 130 103.6 73.4 136.2

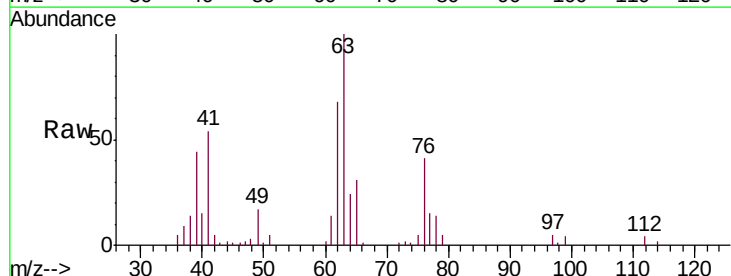


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

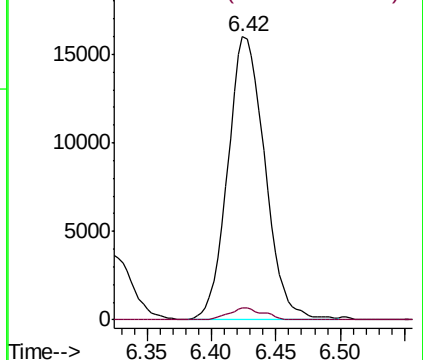
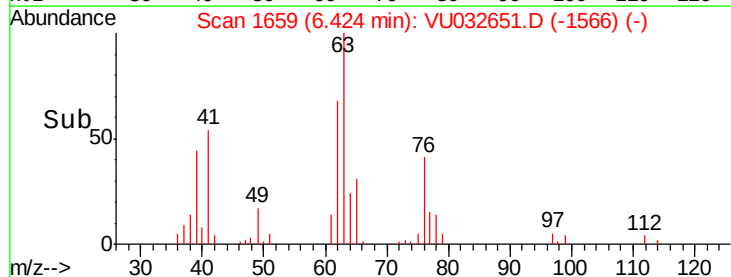


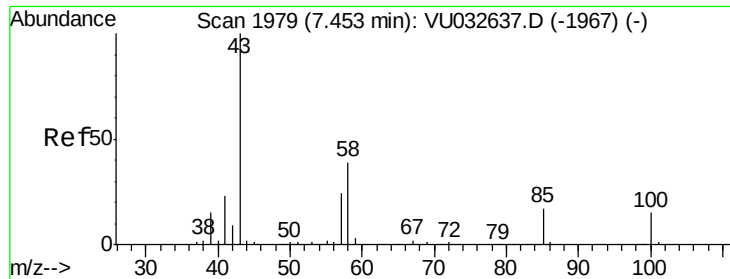
#37
 1,2-Dichloropropane
 Concen: 26.316 ug/L
 RT: 6.42 min Scan# 1659
 Delta R.T. 0.00 min
 Lab File: VU032651.D
 Acq: 12 Jun 2019 14:56

Tgt Ion: 63 Resp: 32093
 Ion Ratio Lower Upper
 63 100
 112 3.9 3.1 4.7



Abundance Ion 63.00 (62.70 to 63.70): VU0
 Ion 112.00 (111.70 to 112.70): V

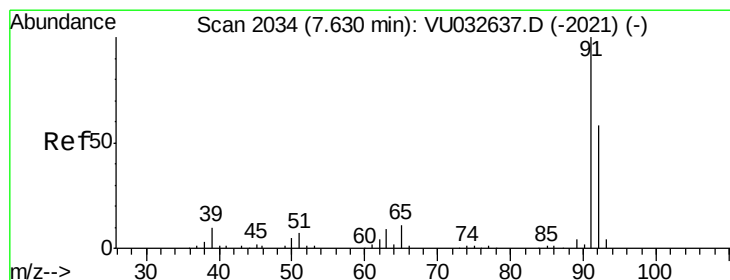
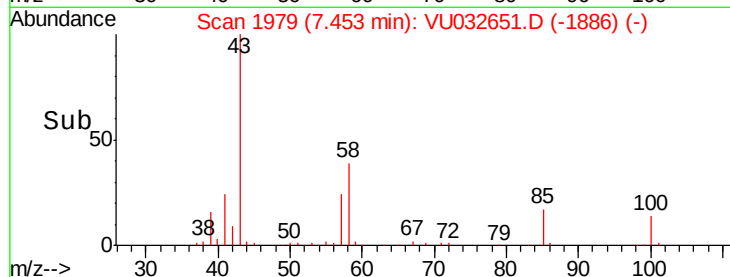
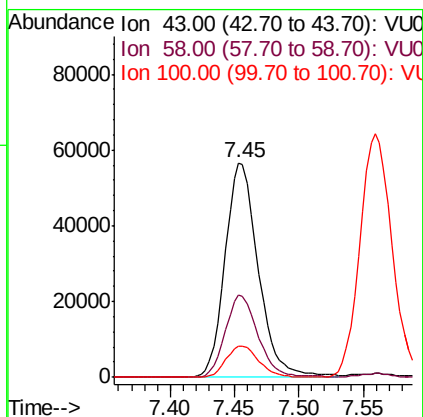
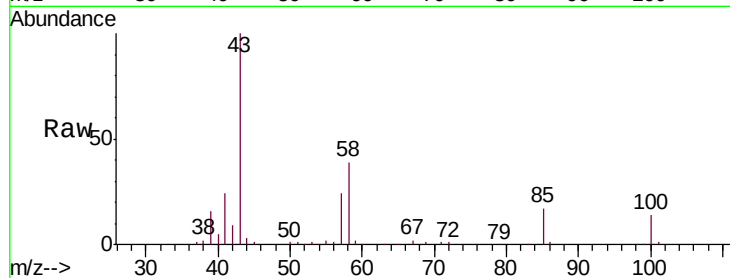




#40
4-Methyl-2-pentanone
Concen: 50.873 ug/L
RT: 7.45 min Scan# 1979
Delta R.T. 0.00 min
Lab File: VU032651.D
Acq: 12 Jun 2019 14:56

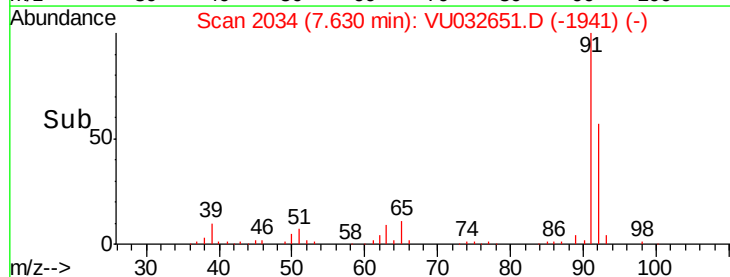
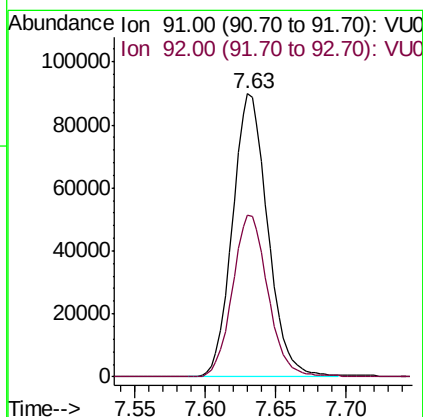
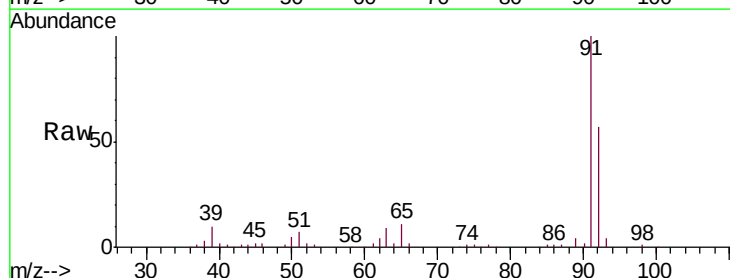
Instrument :
MSVOA_U
ClientSampleId :
DB8P3

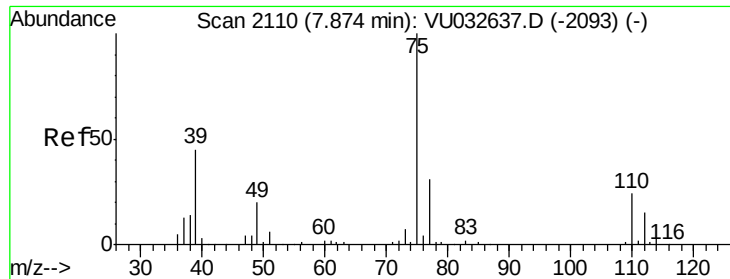
Tgt Ion: 43 Resp: 99808
Ion Ratio Lower Upper
43 100
58 38.5 30.8 46.2
100 14.6 12.1 18.1



#42
Toluene
Concen: 31.232 ug/L
RT: 7.63 min Scan# 2034
Delta R.T. 0.00 min
Lab File: VU032651.D
Acq: 12 Jun 2019 14:56

Tgt Ion: 91 Resp: 157353
Ion Ratio Lower Upper
91 100
92 57.2 39.7 73.7





#44

trans-1,3-Dichloropropene

Concen: 17.567 ug/L

RT: 7.87 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VU032651.D

Acq: 12 Jun 2019 14:56

Instrument :

MSVOA_U

ClientSampleId :

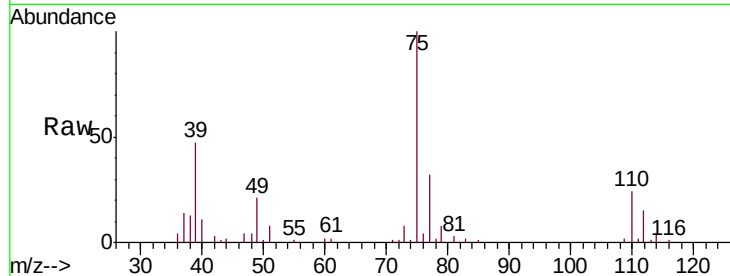
DB8P3

Tgt Ion: 75 Resp: 30001

Ion Ratio Lower Upper

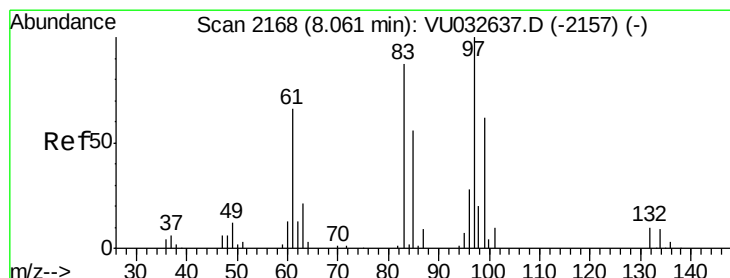
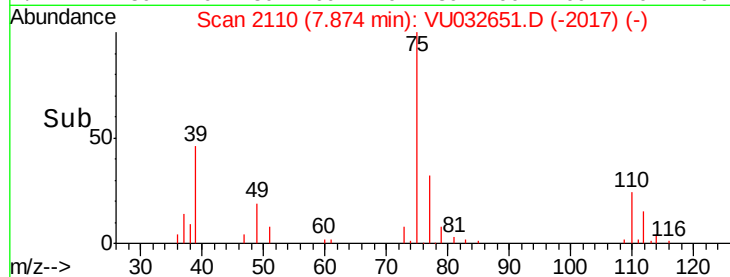
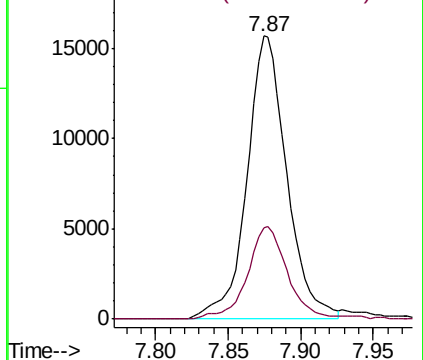
75 100

77 32.3 22.1 41.1



Abundance Ion 75.00 (74.70 to 75.70): VU032637.D (-2093) (-)

Ion 77.00 (76.70 to 77.70): VU032637.D (-2093) (-)



#45

1,1,2-Trichloroethane

Concen: 43.202 ug/L

RT: 8.06 min Scan# 2168

Delta R.T. 0.00 min

Lab File: VU032651.D

Acq: 12 Jun 2019 14:56

Tgt Ion: 97 Resp: 49822

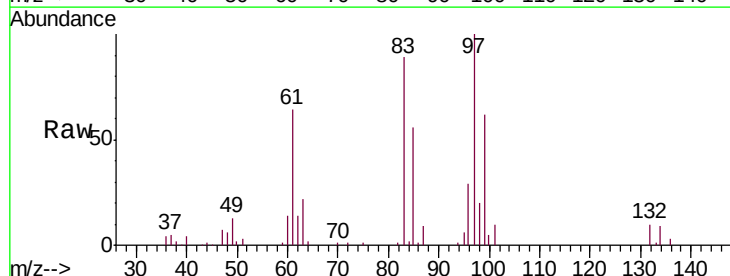
Ion Ratio Lower Upper

97 100

99 61.7 44.1 81.9

83 88.7 59.4 110.2

85 56.2 39.1 72.7

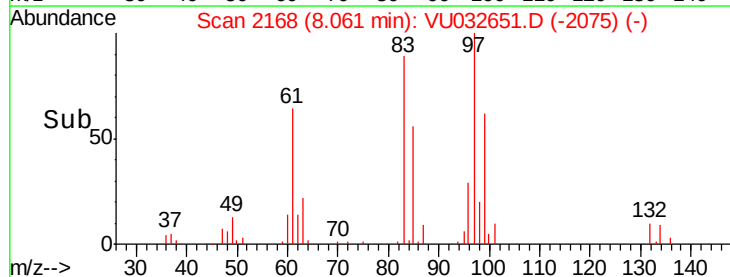
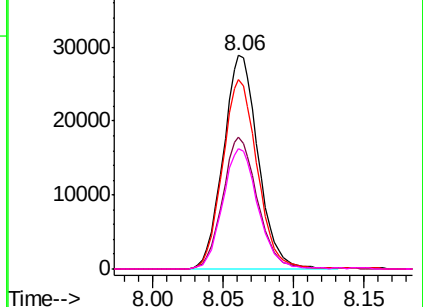


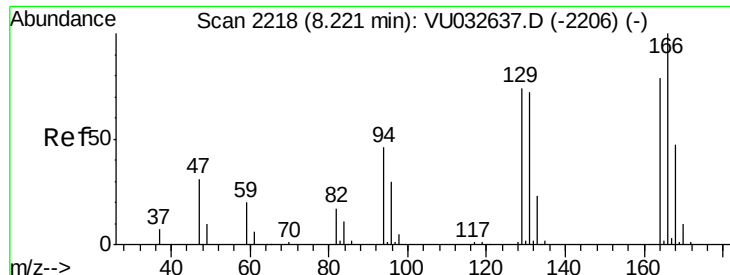
Abundance Ion 97.00 (96.70 to 97.70): VU032637.D (-2157) (-)

Ion 99.00 (98.70 to 99.70): VU032637.D (-2157) (-)

Ion 83.00 (82.70 to 83.70): VU032637.D (-2157) (-)

Ion 85.00 (84.70 to 85.70): VU032637.D (-2157) (-)

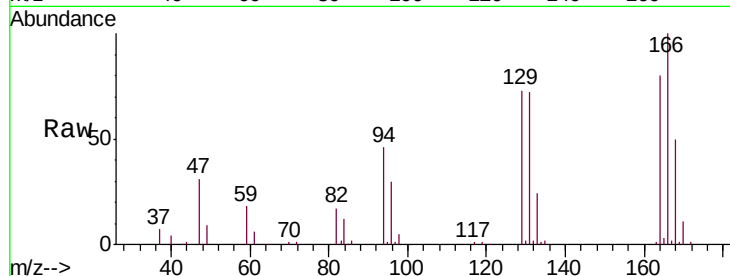




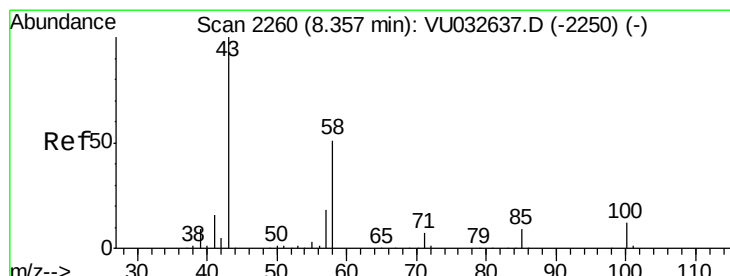
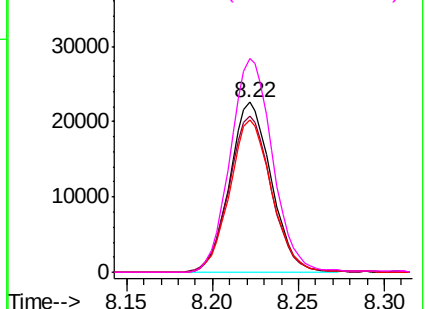
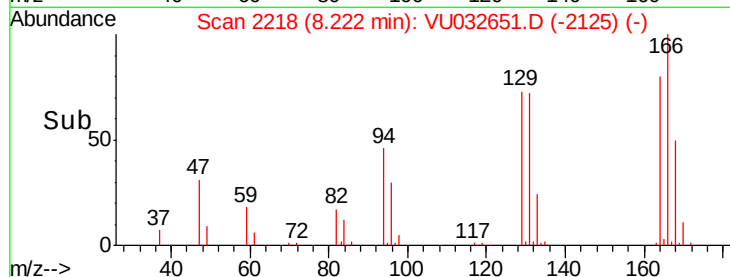
#46
Tetrachloroethene
Concen: 36.959 ug/L
RT: 8.22 min Scan# 2218
Delta R.T. 0.00 min
Lab File: VU032651.D
Acq: 12 Jun 2019 14:56

Instrument :
MSVOA_U
ClientSampleId :
DB8P3

Tgt Ion:164 Resp: 38206
Ion Ratio Lower Upper
164 100
129 91.6 65.3 121.3
131 89.9 64.0 119.0
166 125.7 88.8 165.0

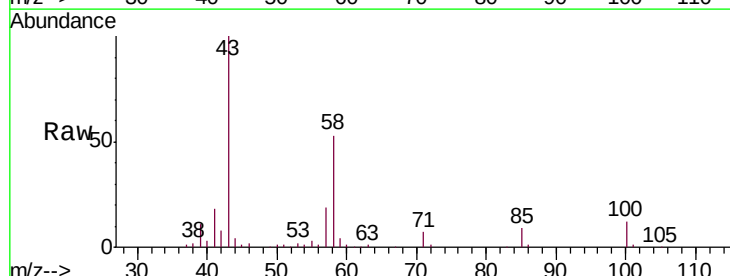


Abundance Ion 164.00 (163.70 to 164.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V
Ion 166.00 (165.70 to 166.70): V

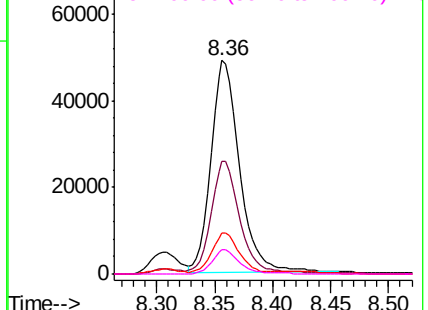
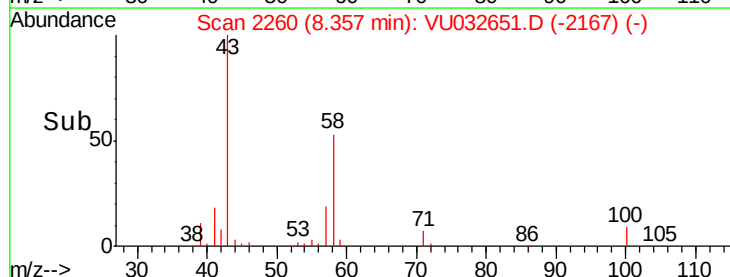


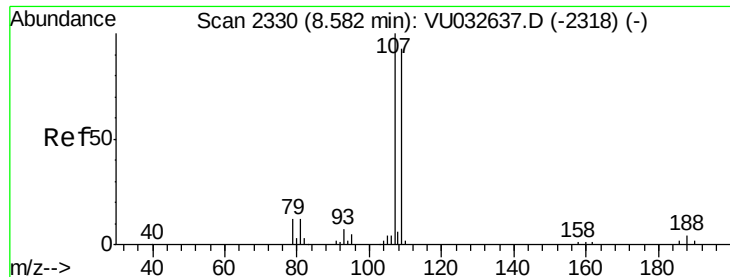
#48
2-Hexanone
Concen: 53.016 ug/L
RT: 8.36 min Scan# 2260
Delta R.T. 0.00 min
Lab File: VU032651.D
Acq: 12 Jun 2019 14:56

Tgt Ion: 43 Resp: 85431
Ion Ratio Lower Upper
43 100
58 49.9 42.0 63.0
57 17.4 14.6 22.0
100 10.7 9.2 13.8



Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

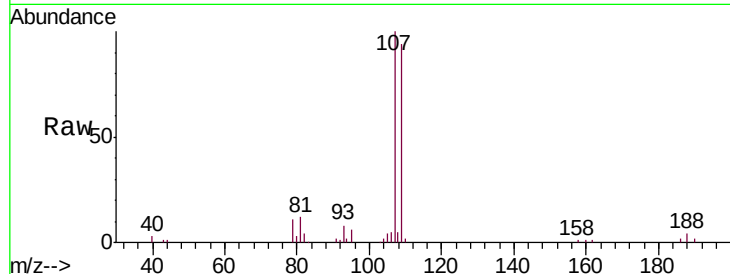




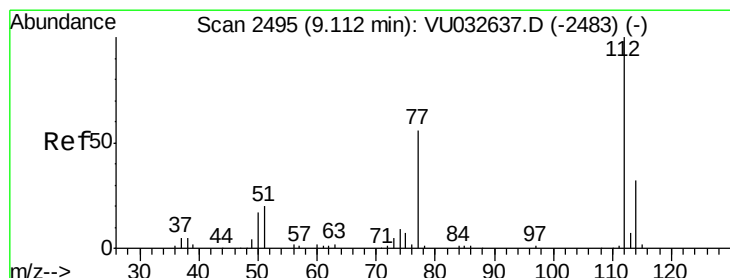
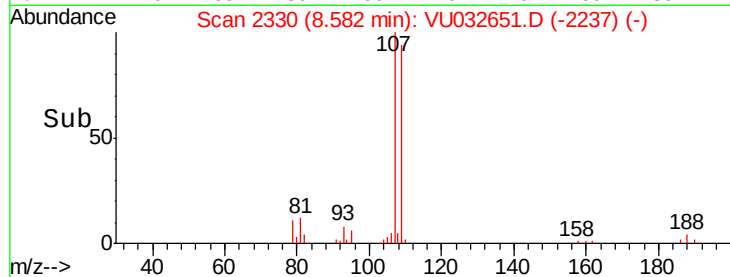
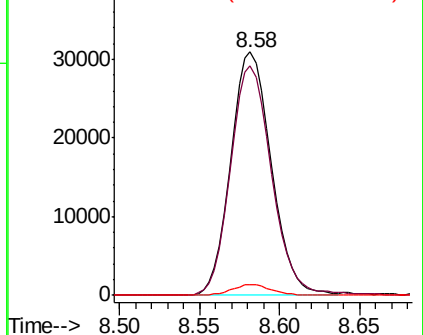
#50
1,2-Dibromoethane
Concen: 41.198 ug/L
RT: 8.58 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VU032651.D
Acq: 12 Jun 2019 14:56

Instrument :
MSVOA_U
ClientSampleId :
DB8P3

Tgt Ion:107 Resp: 53478
Ion Ratio Lower Upper
107 100
109 94.2 66.8 124.0
188 4.4 3.1 4.7

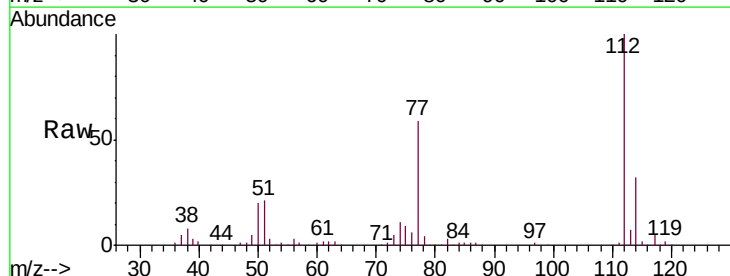


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

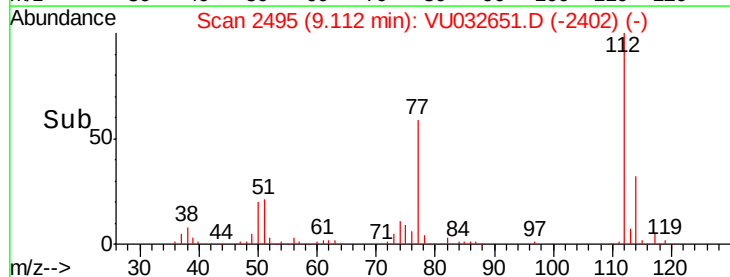
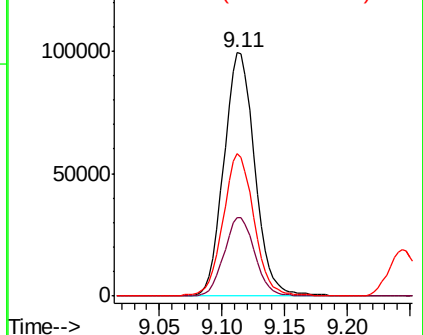


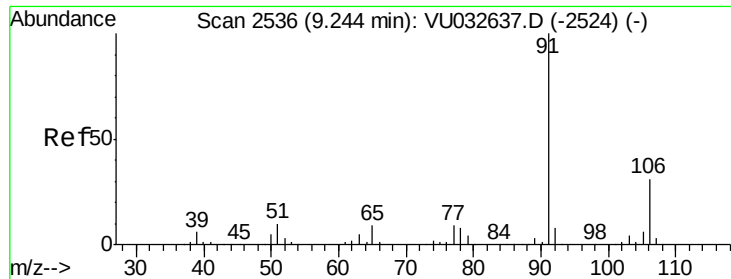
#51
Chlorobenzene
Concen: 52.411 ug/L
RT: 9.11 min Scan# 2495
Delta R.T. 0.00 min
Lab File: VU032651.D
Acq: 12 Jun 2019 14:56

Tgt Ion:112 Resp: 170126
Ion Ratio Lower Upper
112 100
114 32.5 22.6 42.0
77 58.6 46.1 69.1



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): VU





#52

Ethylbenzene

Concen: 61.780 ug/L

RT: 9.24 min Scan# 2536

Delta R.T. 0.00 min

Lab File: VU032651.D

Acq: 12 Jun 2019 14:56

Instrument :

MSVOA_U

ClientSampleId :

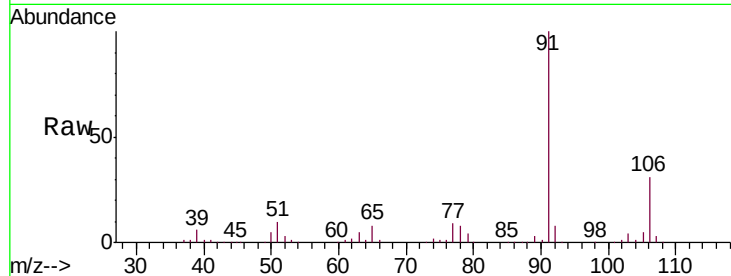
DB8P3

Tgt Ion: 91 Resp: 346953

Ion Ratio Lower Upper

91 100

106 30.8 22.0 41.0



Abundance Ion 91.00 (90.70 to 91.70): VU032637.D (-2524) (-)

Ion 106.00 (105.70 to 106.70): VU032637.D (-2524) (-)

9.24

200000

150000

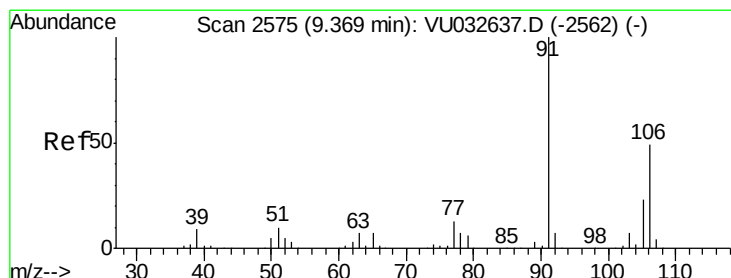
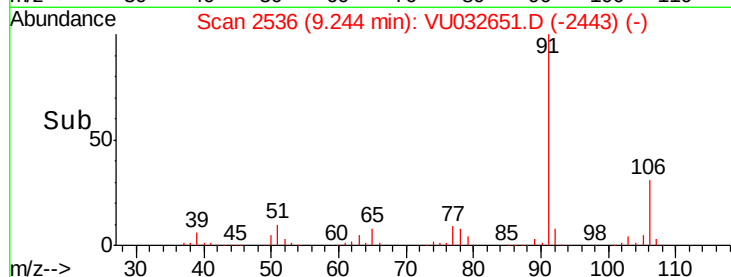
100000

50000

0

9.15 9.20 9.25 9.30 9.35

Time-->



#53

m,p-Xylene

Concen: 41.947 ug/L

RT: 9.37 min Scan# 2574

Delta R.T. -0.00 min

Lab File: VU032651.D

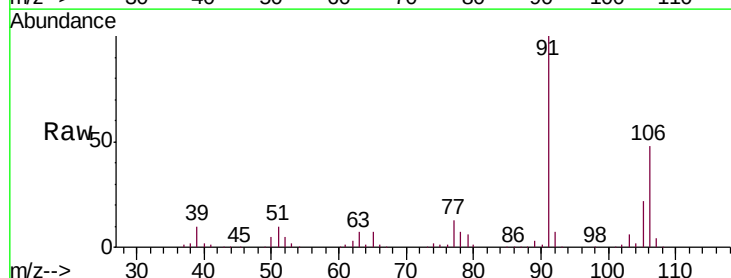
Acq: 12 Jun 2019 14:56

Tgt Ion: 106 Resp: 89577

Ion Ratio Lower Upper

106 100

91 207.8 141.7 263.1



Abundance Ion 106.00 (105.70 to 106.70): VU032637.D (-2562) (-)

Ion 91.00 (90.70 to 91.70): VU032637.D (-2562) (-)

9.37

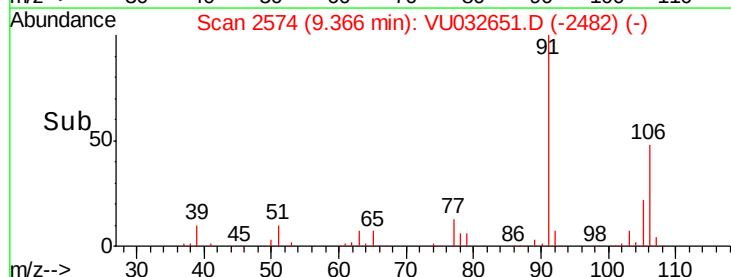
100000

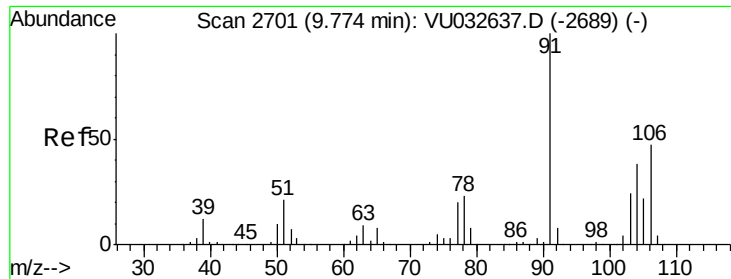
50000

0

9.30 9.35 9.40 9.45

Time-->





#54

o-xylene

Concen: 20.811 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VU032651.D

Acq: 12 Jun 2019 14:56

Instrument :

MSVOA_U

ClientSampleId :

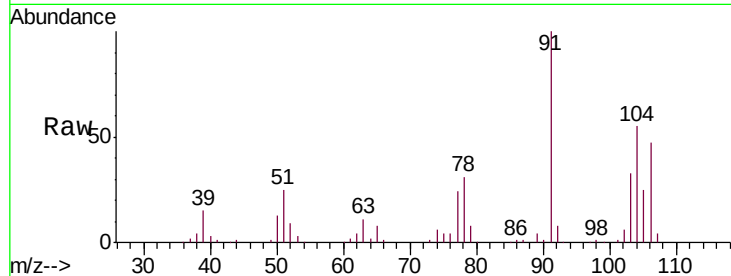
DB8P3

Tgt Ion:106 Resp: 44125

Ion Ratio Lower Upper

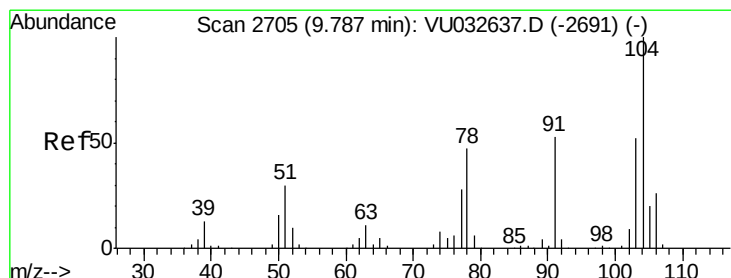
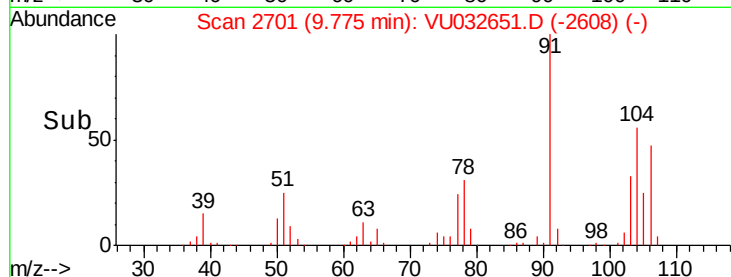
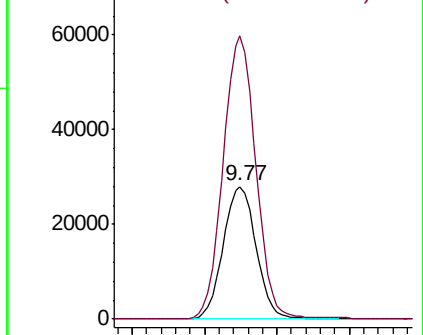
106 100

91 213.4 150.1 278.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 34.841 ug/L

RT: 9.79 min Scan# 2705

Delta R.T. 0.00 min

Lab File: VU032651.D

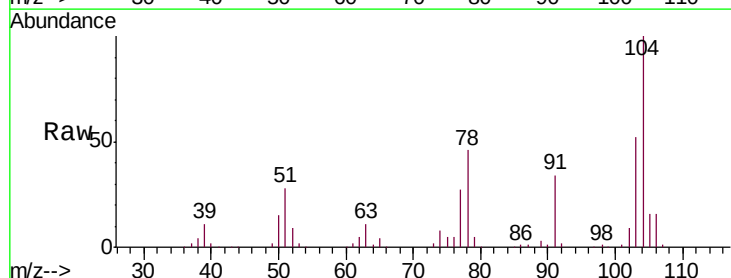
Acq: 12 Jun 2019 14:56

Tgt Ion:104 Resp: 123326

Ion Ratio Lower Upper

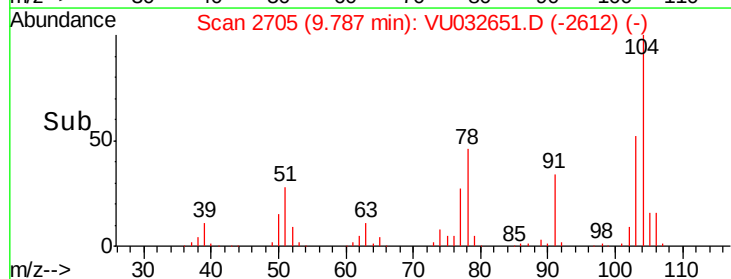
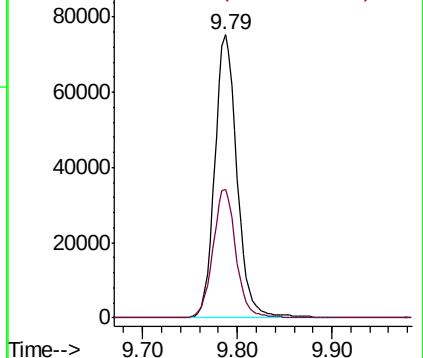
104 100

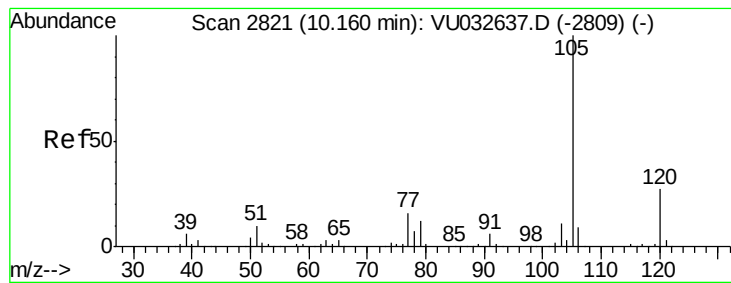
78 45.6 31.6 58.6



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 41.348 ug/L

RT: 10.16 min Scan# 2821

Delta R.T. 0.00 min

Lab File: VU032651.D

Acq: 12 Jun 2019 14:56

Instrument :

MSVOA_U

ClientSampleId :

DB8P3

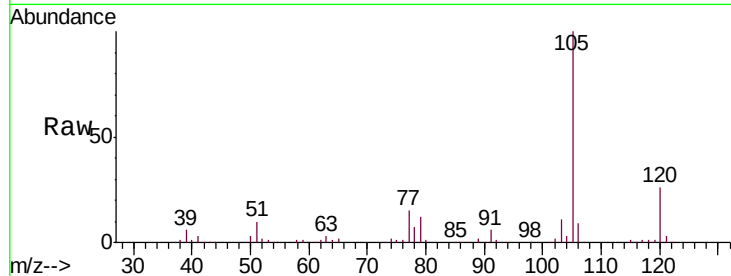
Tgt Ion: 105 Resp: 231173

Ion Ratio Lower Upper

105 100

120 26.4 21.6 32.4

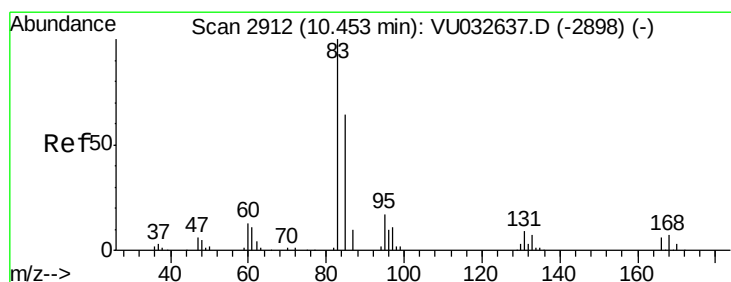
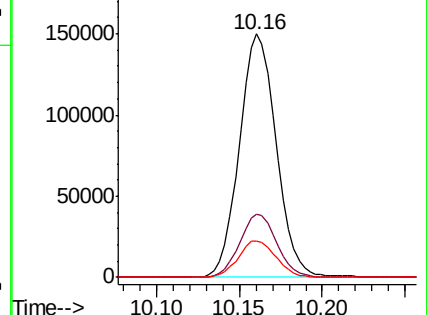
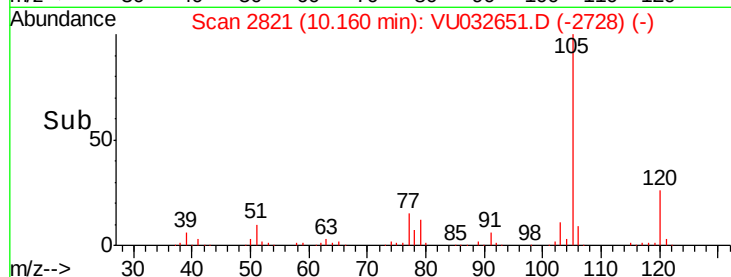
77 15.5 12.4 18.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 76.446 ug/L

RT: 10.45 min Scan# 2912

Delta R.T. 0.00 min

Lab File: VU032651.D

Acq: 12 Jun 2019 14:56

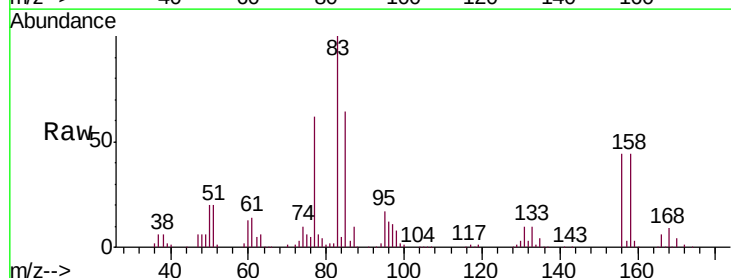
Tgt Ion: 83 Resp: 150676

Ion Ratio Lower Upper

83 100

85 64.4 45.1 83.7

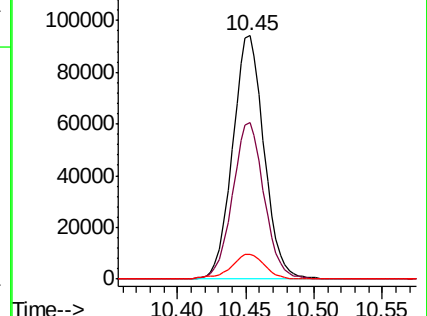
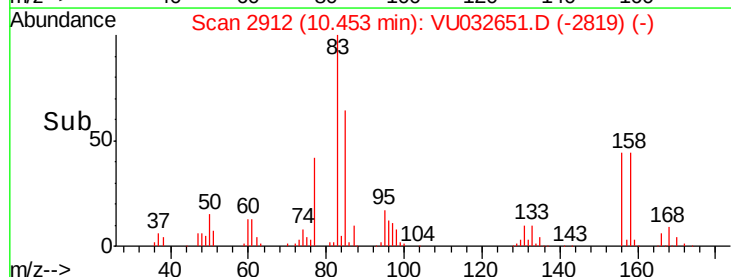
131 10.4 7.9 11.9

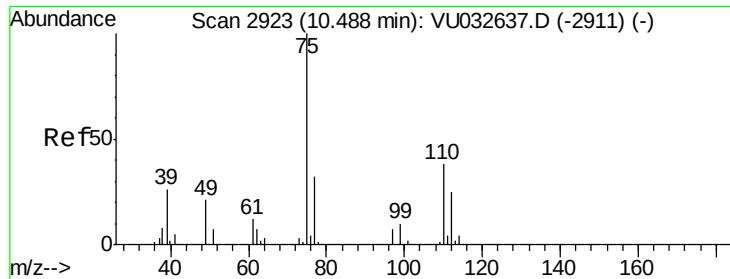


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

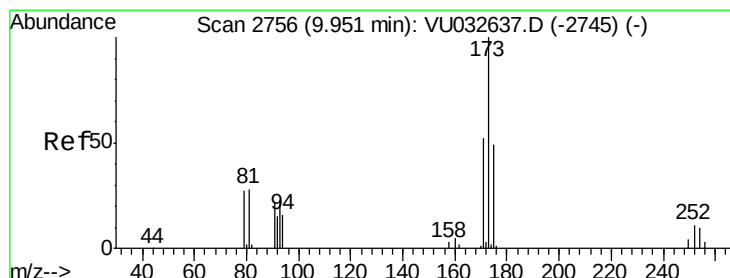
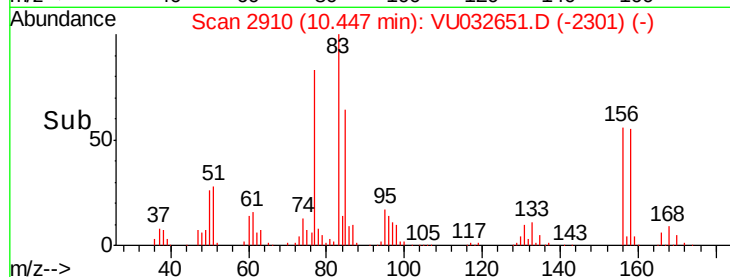
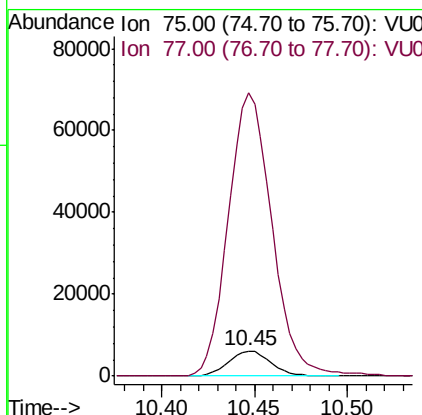
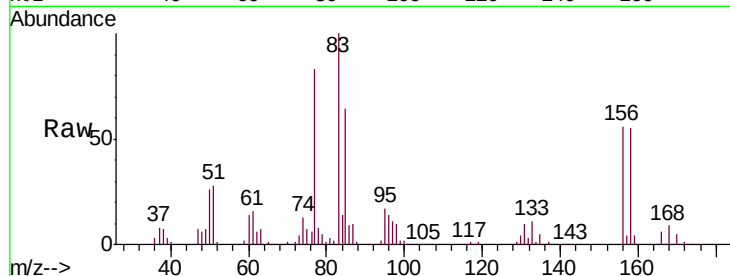




#59
 1,2,3-Trichloropropane
 Concen: 6.266 ug/L
 RT: 10.45 min Scan# 2910
 Delta R.T. -0.04 min
 Lab File: VU032651.D
 Acq: 12 Jun 2019 14:56

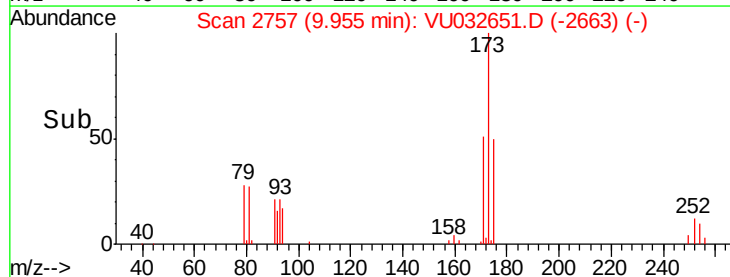
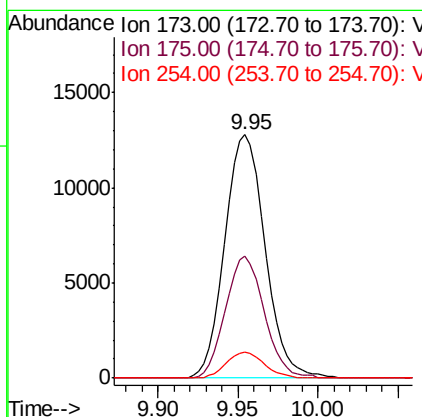
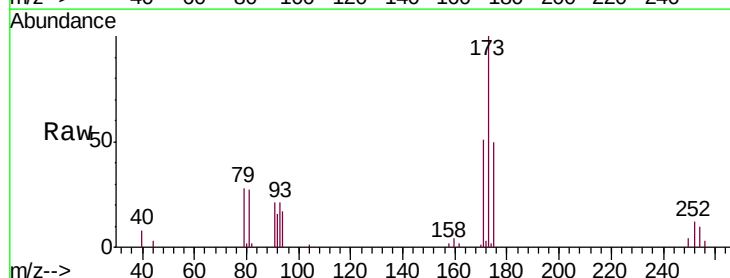
Instrument :
 MSVOA_U
 ClientSampleId :
 DB8P3

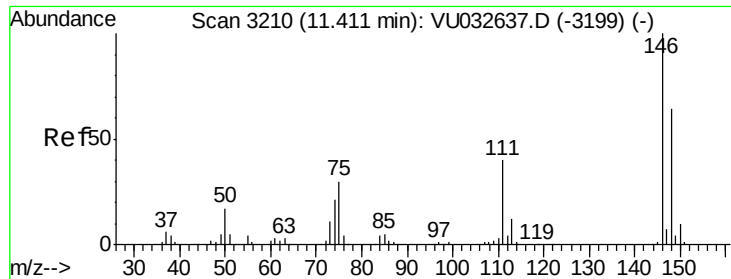
Tgt Ion: 75 Resp: 9933
 Ion Ratio Lower Upper
 75 100
 77 1146.9 25.6 38.4#



#61
 Bromoform
 Concen: 20.921 ug/L
 RT: 9.95 min Scan# 2757
 Delta R.T. 0.00 min
 Lab File: VU032651.D
 Acq: 12 Jun 2019 14:56

Tgt Ion: 173 Resp: 22015
 Ion Ratio Lower Upper
 173 100
 175 48.1 39.7 59.5
 254 9.9 7.8 11.8





#62

1,3-Dichlorobenzene

Concen: 20.876 ug/L

RT: 11.41 min Scan# 3211

Delta R.T. 0.00 min

Lab File: VU032651.D

Acq: 12 Jun 2019 14:56

Instrument :

MSVOA_U

ClientSampled :

DB8P3

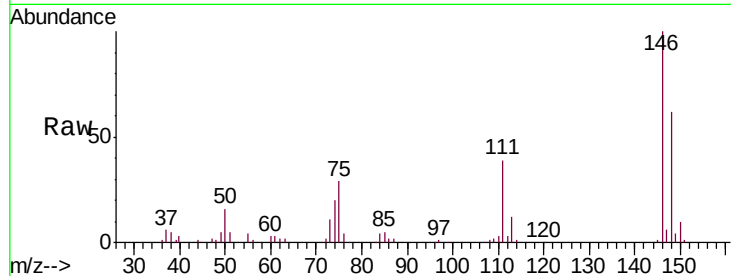
Tgt Ion:146 Resp: 55742

Ion Ratio Lower Upper

146 100

111 38.5 27.3 50.7

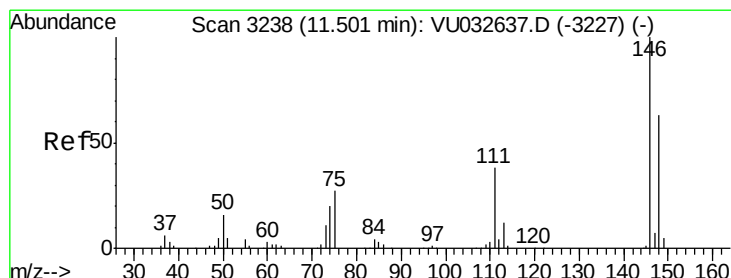
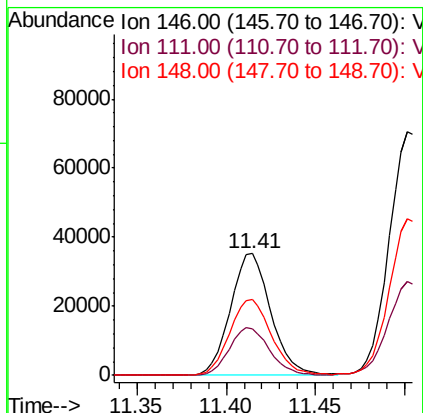
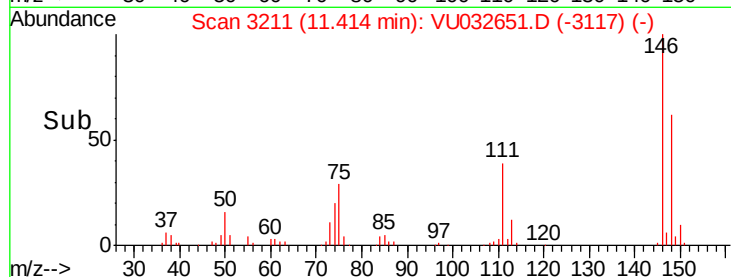
148 62.2 44.4 82.5



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: 41.468 ug/L

RT: 11.50 min Scan# 3238

Delta R.T. 0.00 min

Lab File: VU032651.D

Acq: 12 Jun 2019 14:56

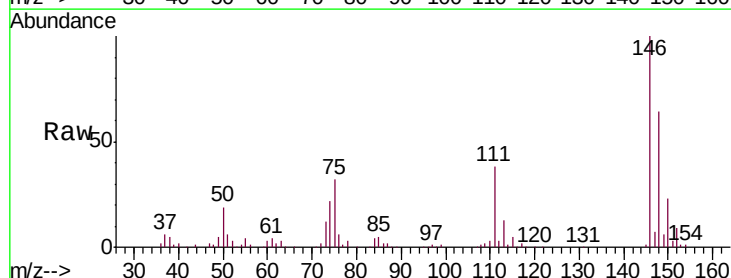
Tgt Ion:146 Resp: 113204

Ion Ratio Lower Upper

146 100

111 38.3 26.6 49.4

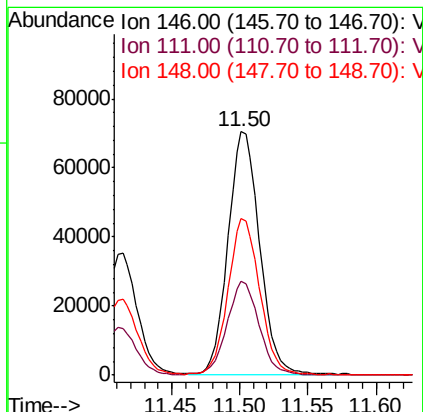
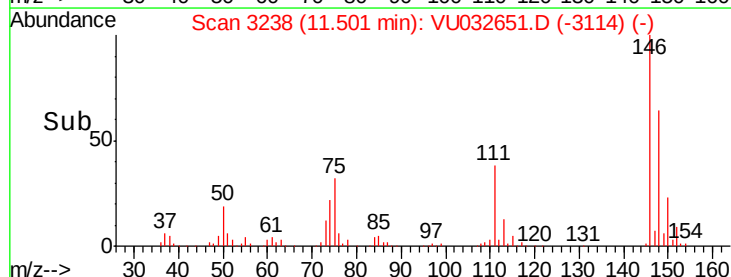
148 64.3 44.9 83.5

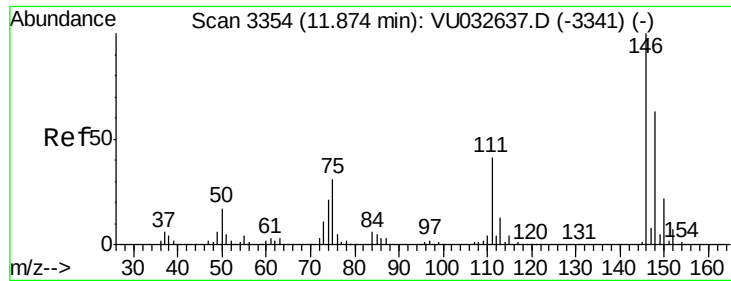


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

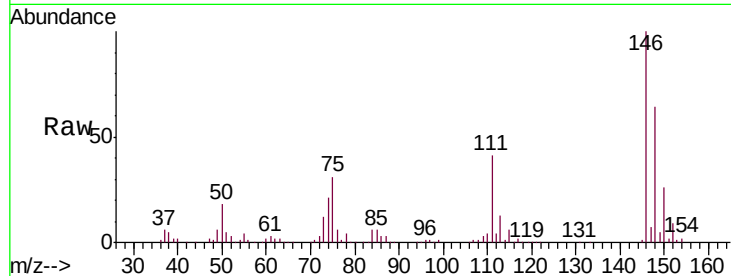




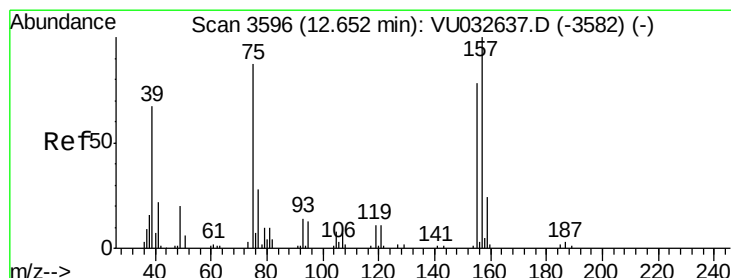
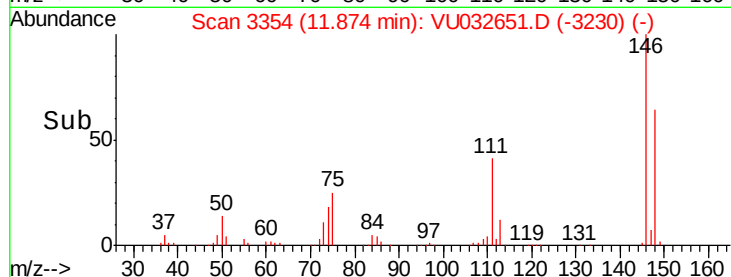
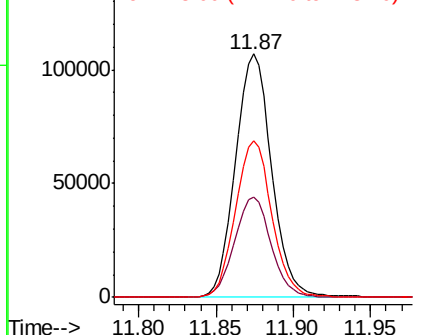
#65
 1,2-Dichlorobenzene
 Concen: 64.338 ug/L
 RT: 11.87 min Scan# 3354
 Delta R.T. 0.00 min
 Lab File: VU032651.D
 Acq: 12 Jun 2019 14:56

Instrument :
 MSVOA_U
 ClientSampleId :
 DB8P3

Tgt Ion: 146 Resp: 173687
 Ion Ratio Lower Upper
 146 100
 111 41.4 32.6 48.8
 148 64.4 50.5 75.7

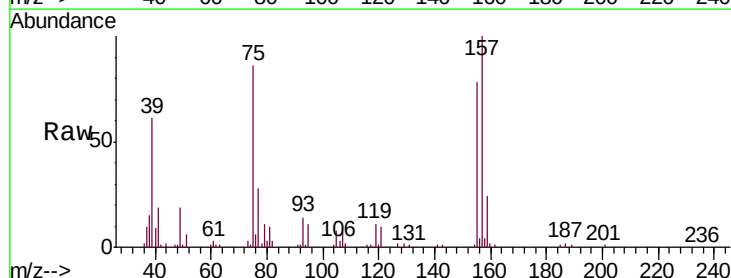


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

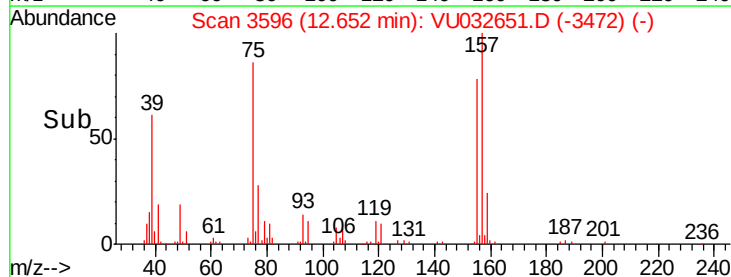
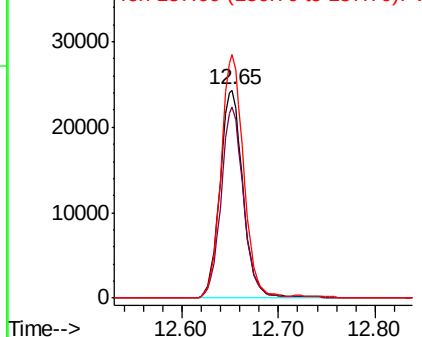


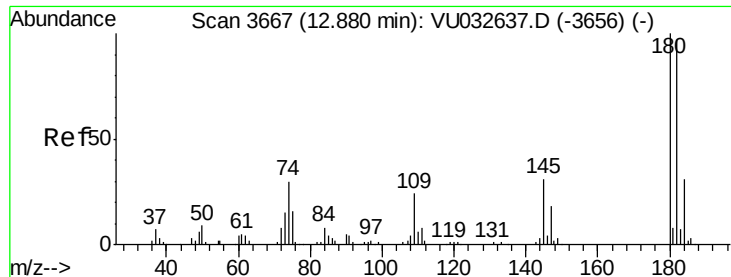
#66
 1,2-Dibromo-3-chloropropane
 Concen: 89.145 ug/L
 RT: 12.65 min Scan# 3596
 Delta R.T. 0.00 min
 Lab File: VU032651.D
 Acq: 12 Jun 2019 14:56

Tgt Ion: 75 Resp: 40490
 Ion Ratio Lower Upper
 75 100
 155 91.6 73.1 109.7
 157 116.9 91.4 137.2



Abundance Ion 75.00 (74.70 to 75.70): VU0
 Ion 155.00 (154.70 to 155.70): V
 Ion 157.00 (156.70 to 157.70): V

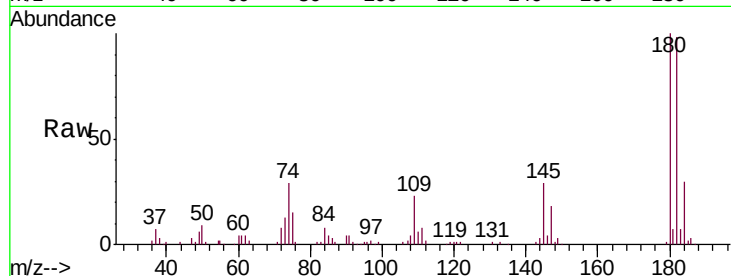




#67
 1,3,5-Trichlorobenzene
 Concen: 54.244 ug/L
 RT: 12.88 min Scan# 3668
 Delta R.T. 0.00 min
 Lab File: VU032651.D
 Acq: 12 Jun 2019 14:56

Instrument :
 MSVOA_U
 ClientSampleId :
 DB8P3

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.7	78.2	117.4
184	29.9	24.2	36.2
145	29.0	23.9	35.9



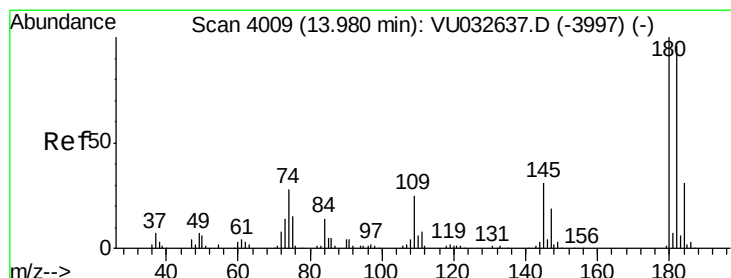
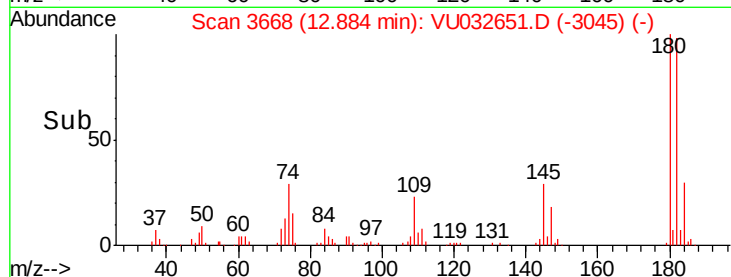
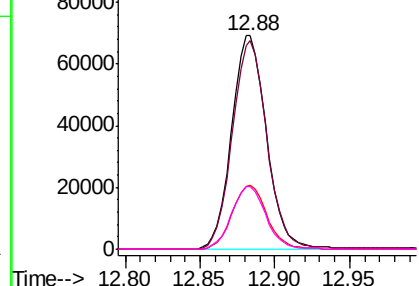
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

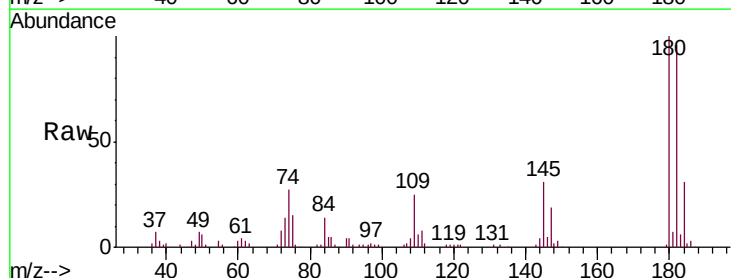
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#70
 1,2,3-Trichlorobenzene
 Concen: 41.674 ug/L
 RT: 13.98 min Scan# 4010
 Delta R.T. 0.00 min
 Lab File: VU032651.D
 Acq: 12 Jun 2019 14:56

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.2	76.7	115.1
145	30.9	25.4	38.2



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

