

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU040920\
 Data File : VU037617.D
 Acq On : 09 Apr 2020 14:58
 Operator : JC/MD
 Sample : L2189-02
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFS80

Quant Time: Apr 10 03:13:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040920WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Apr 10 03:10:48 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	1750	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	1720	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	2041	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	516	33.73	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	67.46%
7) Chloroethane-d5	1.93	69	311	25.15	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	50.30%#
11) 1,1-Dichloroethene-d2	2.36	63	154	6.18	ug/L	-0.23
Spiked Amount	50.000	Range	60 - 125	Recovery	=	12.36%#
21) 2-Butanone-d5	4.68	46	391	31.54	ug/L	0.01
Spiked Amount	100.000	Range	40 - 130	Recovery	=	31.54%#
24) Chloroform-d	5.36	84	130474	5675.18	ug/L	0.25
Spiked Amount	50.000	Range	70 - 125	Recovery	=	11350.36%#
26) 1,2-Dichloroethane-d4	5.74	65	1200	76.83	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	153.66%#
32) Benzene-d6	5.76	84	674	13.32	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	26.64%#
36) 1,2-Dichloropropane-d6	6.72	67	138	8.19	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	16.38%#
41) Toluene-d8	7.92	98	1715	36.55	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	73.10%#
43) trans-1,3-Dichloropropene-	8.21	79	506	55.57	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	111.14%
47) 2-Hexanone-d5	8.65	63	317	32.87	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	32.87%#
57) 1,1,2,2-Tetrachloroethane-	10.77	84	513	21.56	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	43.12%#
64) 1,2-Dichlorobenzene-d4	11.83	152	1788	42.10	ug/L	-0.38
Spiked Amount	50.000	Range	80 - 120	Recovery	=	84.20%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.39	85	334	24.364	ug/L #	43
3) Chloromethane	1.54	50	1017	63.433	ug/L	98
5) Vinyl chloride	1.62	62	27590	1644.419	ug/L	87
6) Bromomethane	1.88	94	217	24.575	ug/L	86
8) Chloroethane	1.95	64	20409	2049.023	ug/L	97
9) Trichlorofluoromethane	2.16	101	64	3.532	ug/L	92
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	514	46.594	ug/L #	40
12) 1,1-Dichloroethene	2.61	96	137564	12296.602	ug/L #	75
13) Acetone	2.66	43	3351	457.759	ug/L	86
14) Carbon disulfide	2.82	76	2526	65.913	ug/L #	94
15) Methyl Acetate	2.98	43	351	20.163	ug/L #	53
16) Methylene chloride	3.09	84	575	44.990	ug/L #	49
17) trans-1,2-Dichloroethene	3.39	96	3790	315.793	ug/L	96
18) Methyl tert-butyl Ether	3.40	73	314	7.579	ug/L #	1
19) 1,1-Dichloroethane	3.91	63	3158426	134236.058	ug/L	99
20) cis-1,2-Dichloroethene	4.71	96	32988	2499.818	ug/L	98
22) 2-Butanone	4.75	43	7009	547.025	ug/L	81

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 BFS80

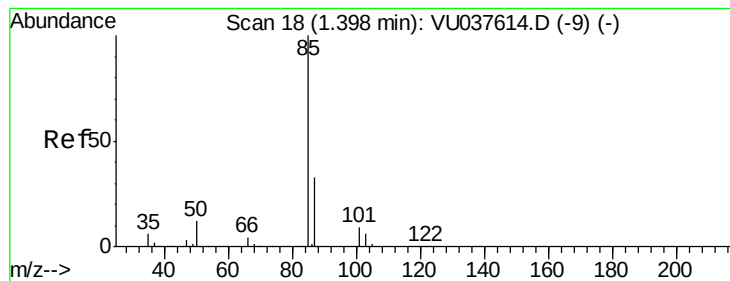
Quant Time: Apr 10 03:13:16 2020
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 Quant Title : VOC Analysis
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

25) Chloroform	5.12	83	614	27.734	ug/L	78
27) 1,2-Dichloroethane	5.83	62	4452	243.128	ug/L	96
29) Cyclohexane	5.42	56	185	7.822	ug/L #	1
30) 1,1,1-Trichloroethane	5.36	97	8385568	430124.338	ug/L	99
31) Carbon tetrachloride	5.57	117	270	17.060	ug/L	97
33) Benzene	5.81	78	33721	644.225	ug/L	100
34) Trichloroethene	6.57	95	3164	245.551	ug/L	84
35) Methylcyclohexane	6.79	83	1642	71.819	ug/L	88
37) 1,2-Dichloropropane	6.82	63	261	18.147	ug/L #	87
38) Bromodichloromethane	7.13	83	101	5.704	ug/L #	25
39) cis-1,3-Dichloropropene	7.64	75	194	8.241	ug/L #	1
40) 4-Methyl-2-pentanone	7.82	43	1617	63.303	ug/L #	89
42) Toluene	7.99	91	10668	191.859	ug/L	97
44) trans-1,3-Dichloropropene	8.24	75	374	16.390	ug/L #	1
45) 1,1,2-Trichloroethane	8.42	97	2851	222.160	ug/L	96
46) Tetrachloroethene	8.57	164	1391	145.091	ug/L	91
48) 2-Hexanone	8.70	43	973	48.241	ug/L #	3
49) Dibromochloromethane	8.57	129	1246	90.543	ug/L #	10
50) 1,2-Dibromoethane	8.95	107	64	4.609	ug/L #	5
51) Chlorobenzene	9.47	112	52664	1516.613	ug/L	98
52) Ethylbenzene	9.59	91	4761	76.370	ug/L	89
53) m,p-Xylene	9.71	106	2661	112.415	ug/L	92
54) o-xylene	10.12	106	3248	138.349	ug/L	93
55) Styrene	10.13	104	827	20.317	ug/L #	44
56) Isopropylbenzene	10.50	105	7280	119.094	ug/L #	91
58) 1,1,2,2-Tetrachloroethane	10.80	83	2501	109.142	ug/L	93
59) 1,2,3-Trichloropropane	10.36	75	1092	55.888	ug/L	99
61) Bromoform	10.31	173	44	1.701	ug/L #	36
62) 1,3-Dichlorobenzene	11.76	146	1786	27.186	ug/L #	71
63) 1,4-Dichlorobenzene	11.85	146	4841	73.444	ug/L	99
65) 1,2-Dichlorobenzene	12.22	146	17097	264.069	ug/L	97
67) 1,3,5-Trichlorobenzene	13.24	180	1342	27.938	ug/L #	86
68) 1,2,4-trichlorobenzene	13.87	180	1771	38.225	ug/L #	90
69) Naphthalene	14.11	128	12090	70.722	ug/L	97
70) 1,2,3-Trichlorobenzene	14.36	180	1731	37.498	ug/L #	61

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

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#2

Dichlorodifluoromethane

Concen: 24.364 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU037617.D

Acq: 09 Apr 2020 14:58

Instrument :

MSVOA_U

ClientSampleId :

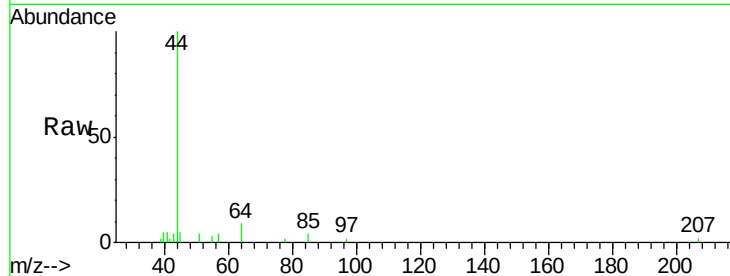
BFS80

Tot Ion: 85 Resp: 334

Ion Ratio Lower Upper

85 100

87 0.0 25.4 38.2#



Abundance Ion 85.00 (84.70 to 85.70): VU037614.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VU037614.D (-9) (-)

1.39

250

200

150

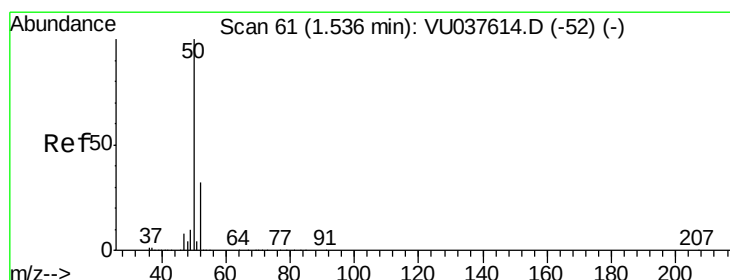
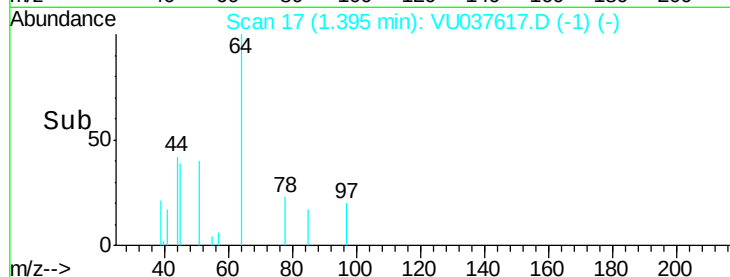
100

50

0

1.38 1.40 1.42

Time-->



#3

Chloromethane

Concen: 63.433 ug/L

RT: 1.54 min Scan# 61

Delta R.T. 0.00 min

Lab File: VU037617.D

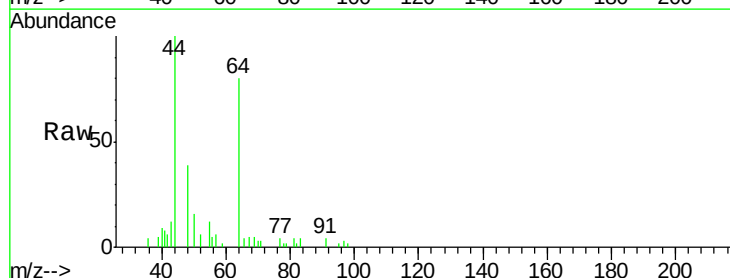
Acq: 09 Apr 2020 14:58

Tgt Ion: 50 Resp: 1017

Ion Ratio Lower Upper

50 100

52 34.4 23.3 43.3



Abundance Ion 50.00 (49.70 to 50.70): VU037614.D (-52) (-)

Ion 52.00 (51.70 to 52.70): VU037614.D (-52) (-)

1.54

800

600

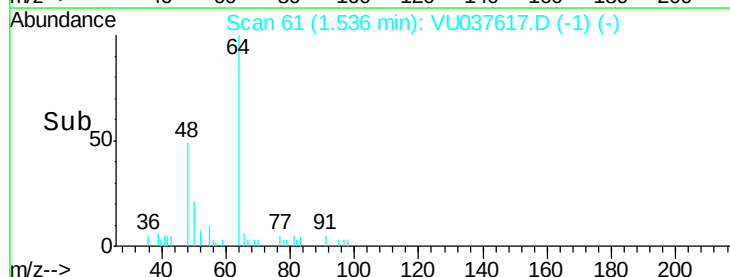
400

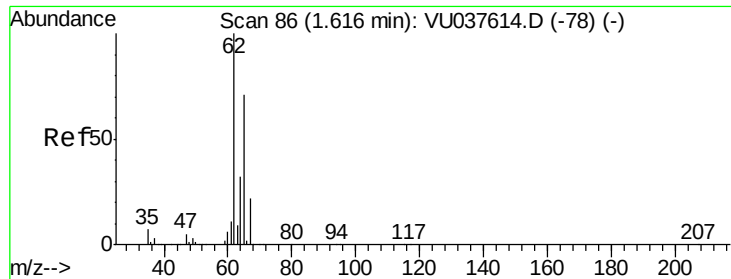
200

0

1.50 1.52 1.54 1.56

Time-->





#5

Vinyl chloride

Concen: 1644.419 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU037617.D

Acq: 09 Apr 2020 14:58

Instrument :

MSVOA_U

ClientSampleId :

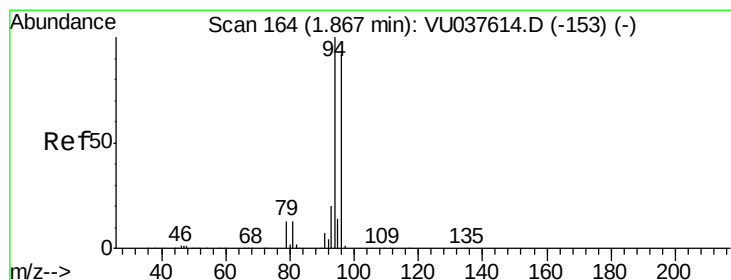
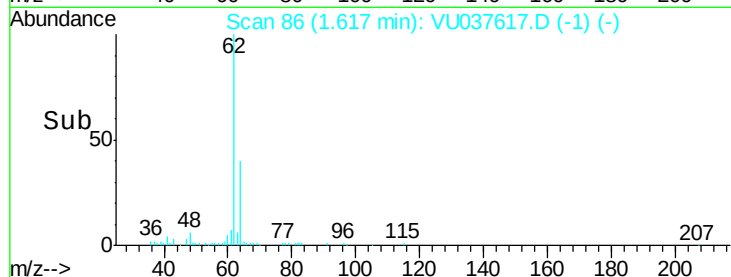
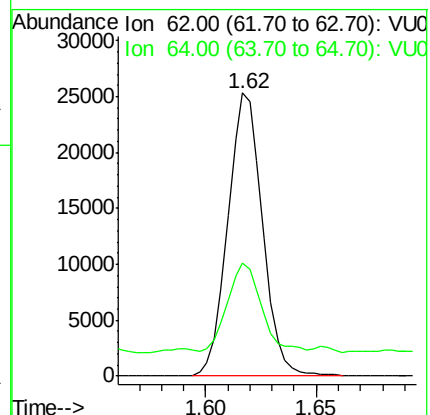
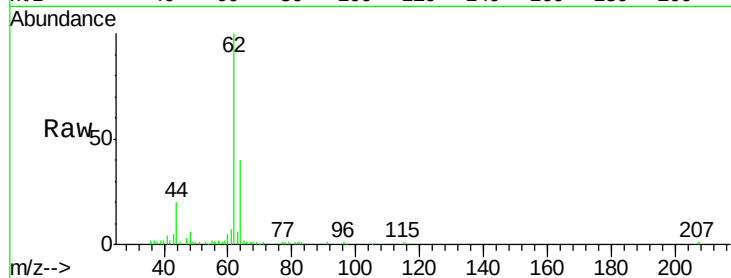
BFS80

Tot Ion: 62 Resp: 27590

Ion Ratio Lower Upper

62 100

64 39.9 22.8 42.4



#6

Bromomethane

Concen: 24.575 ug/L

RT: 1.88 min Scan# 169

Delta R.T. 0.02 min

Lab File: VU037617.D

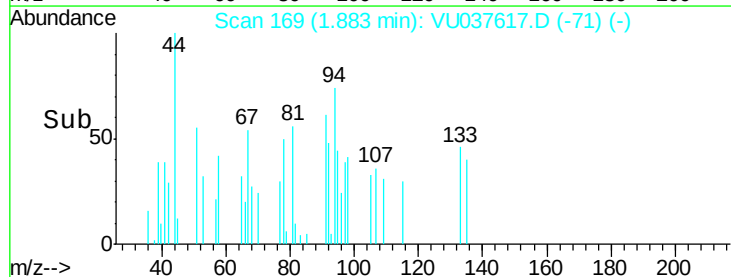
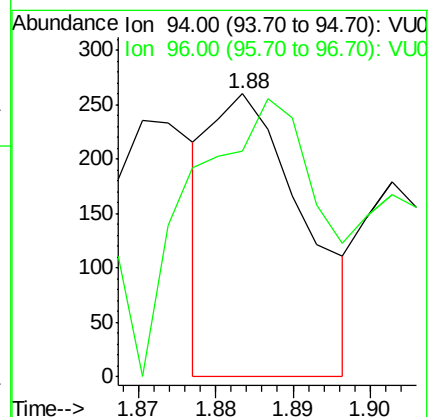
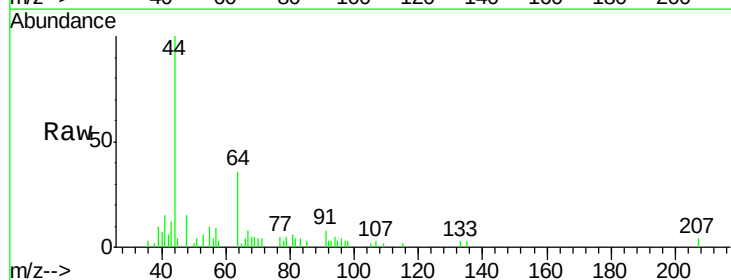
Acq: 09 Apr 2020 14:58

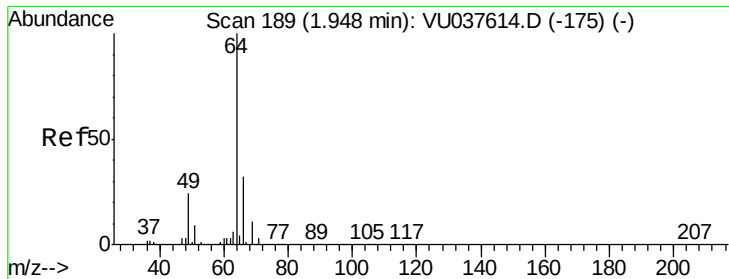
Tgt Ion: 94 Resp: 217

Ion Ratio Lower Upper

94 100

96 79.6 65.2 121.2

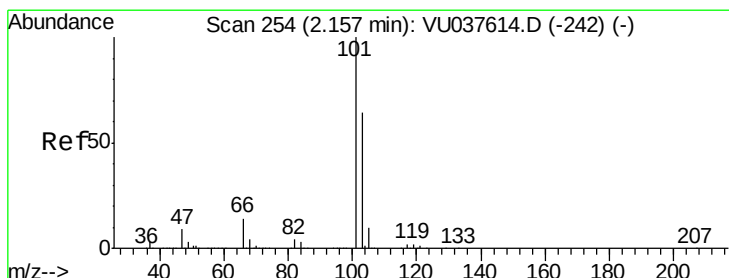
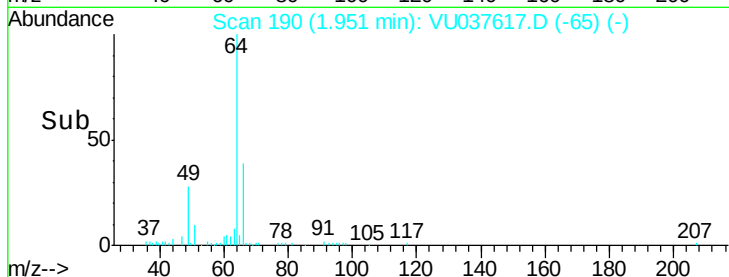
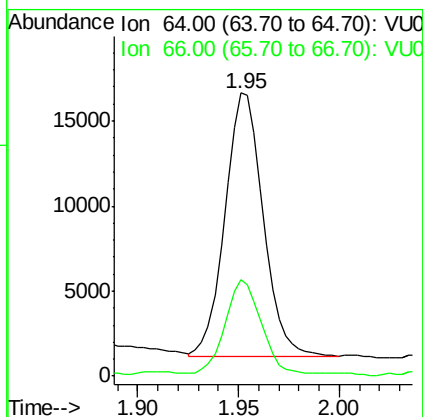
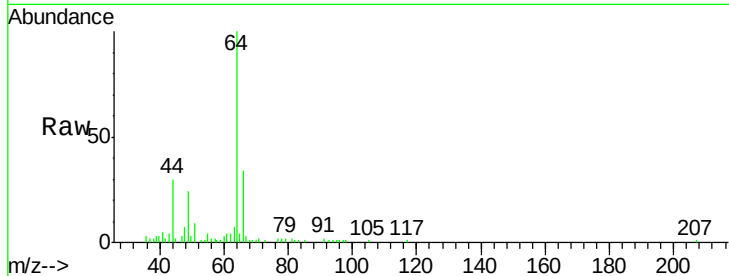




#8
Chloroethane
Concen: 2049.023 ug/L
RT: 1.95 min Scan# 190
Delta R.T. 0.00 min
Lab File: VU037617.D
Acq: 09 Apr 2020 14:58

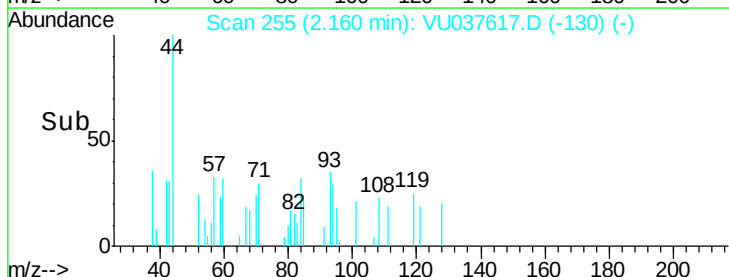
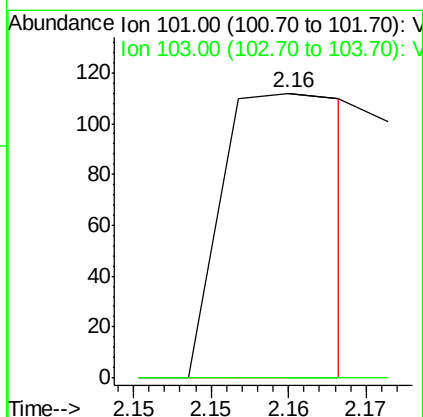
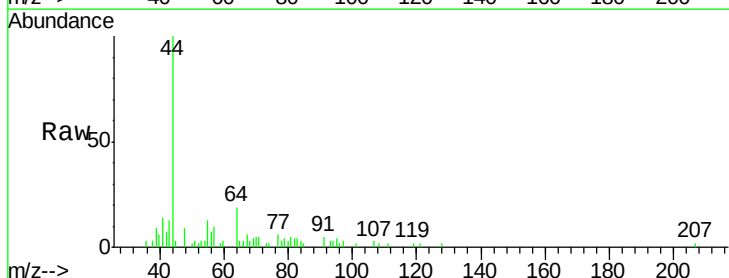
Instrument :
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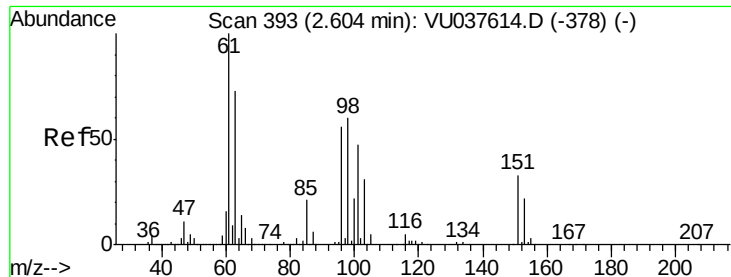
Tot Ion: 64 Resp: 20409
Ion Ratio Lower Upper
64 100
66 34.2 22.6 42.0



#9
Trichlorofluoromethane
Concen: 3.532 ug/L
RT: 2.16 min Scan# 255
Delta R.T. 0.00 min
Lab File: VU037617.D
Acq: 09 Apr 2020 14:58

Tgt Ion: 101 Resp: 64
Ion Ratio Lower Upper
101 100
103 71.9 52.2 78.2





#10

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

Concen: 46.594 ug/L

RT: 2.60 min Scan# 393

Delta R.T. 0.00 min

Lab File: VU037617.D

Acq: 09 Apr 2020 14:58

Instrument :

MSVOA_U

ClientSampleId :

BFS80

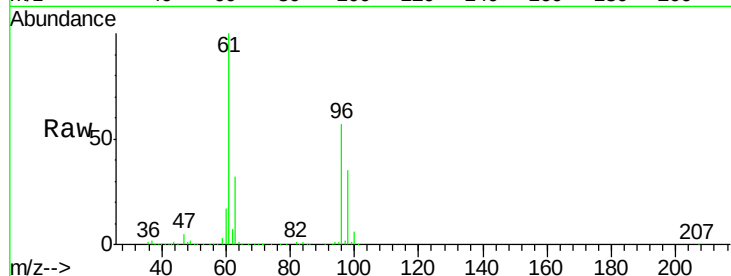
Tot Ion:101 Resp: 514

Ion Ratio Lower Upper

101 100

85 32.1 34.5 51.7#

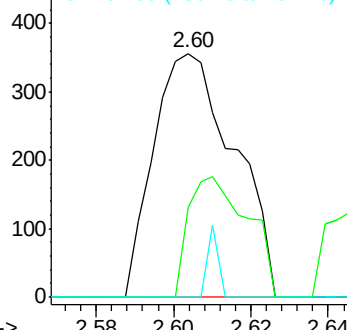
151 0.0 56.8 85.2#



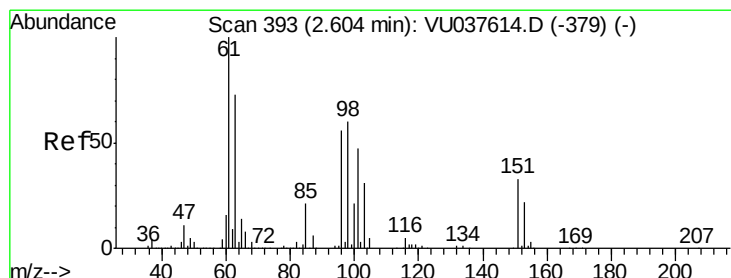
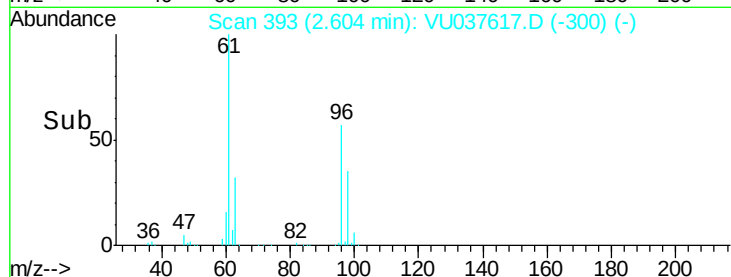
Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



Time-->



#12

1,1-Dichloroethene

Concen: 12296.602 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU037617.D

Acq: 09 Apr 2020 14:58

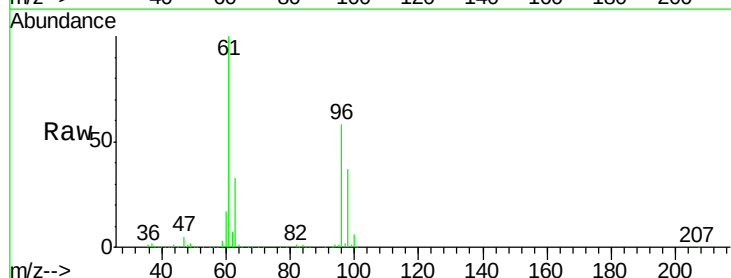
Tgt Ion: 96 Resp: 137564

Ion Ratio Lower Upper

96 100

61 173.3 123.6 229.6

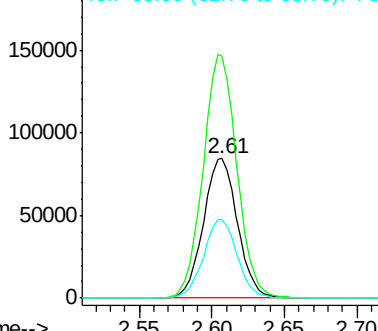
63 56.6 85.7 159.1#



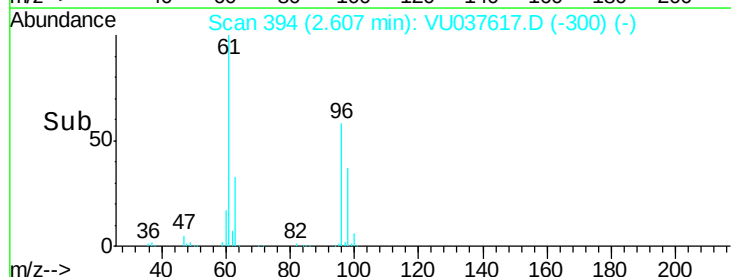
Abundance Ion 96.00 (95.70 to 96.70): VU0

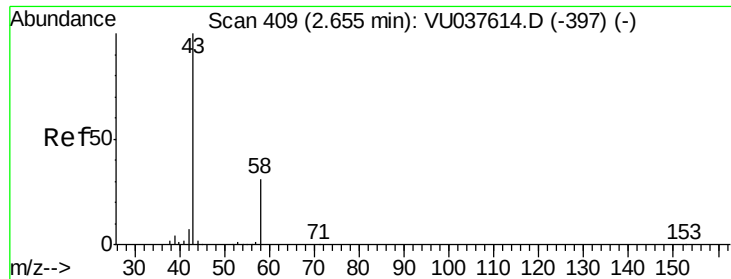
Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0



Time-->





#13

Acetone

Concen: 457.759 ug/L

RT: 2.66 min Scan# 410

Delta R.T. 0.00 min

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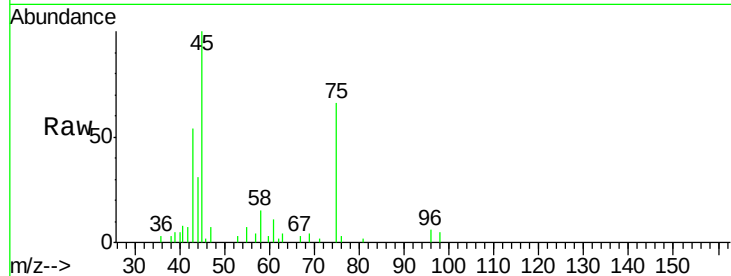
BFS80

Tot Ion: 43 Resp: 3351

Ion Ratio Lower Upper

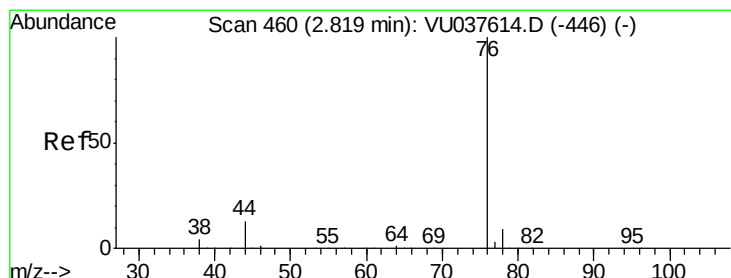
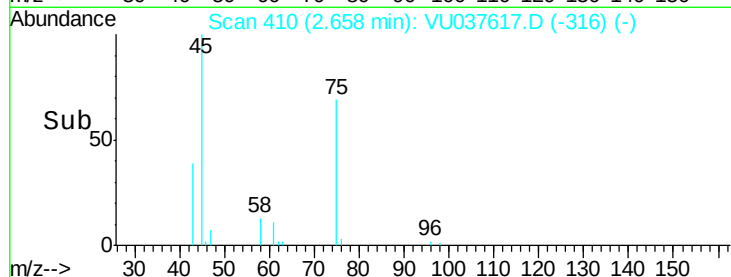
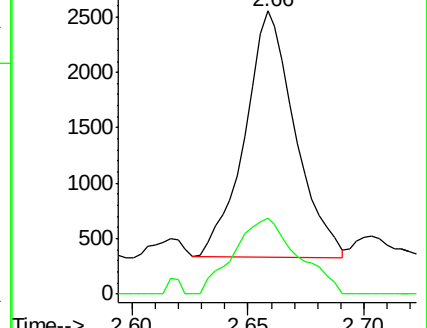
43 100

58 39.1 0.0 63.2



Abundance Ion 43.00 (42.70 to 43.70): VU037617.D (-316) (-)

Ion 58.00 (57.70 to 58.70): VU037617.D (-316) (-)



#14

Carbon disulfide

Concen: 65.913 ug/L

RT: 2.82 min Scan# 461

Delta R.T. 0.00 min

Lab File: VU037617.D

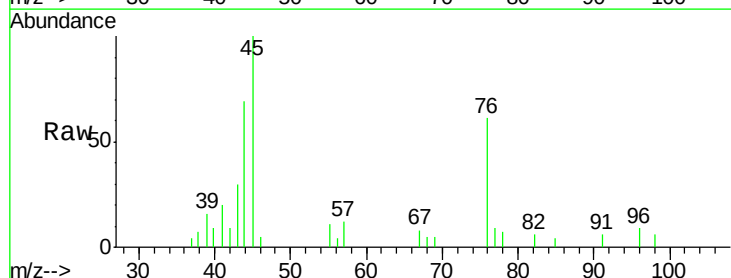
Acq: 09 Apr 2020 14:58

Tgt Ion: 76 Resp: 2526

Ion Ratio Lower Upper

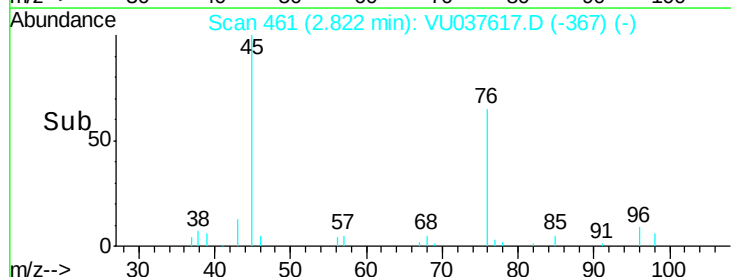
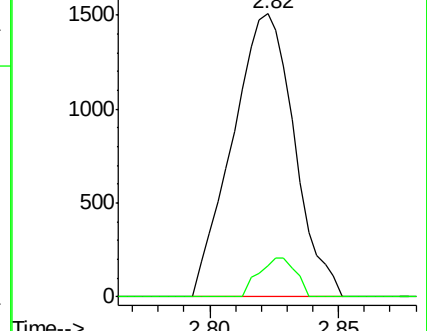
76 100

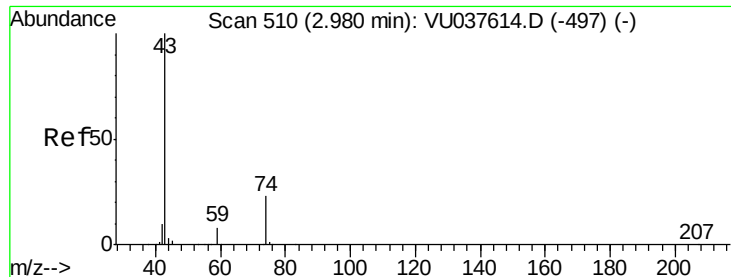
78 10.9 7.0 10.6#



Abundance Ion 76.00 (75.70 to 76.70): VU037617.D (-367) (-)

Ion 78.00 (77.70 to 78.70): VU037617.D (-367) (-)

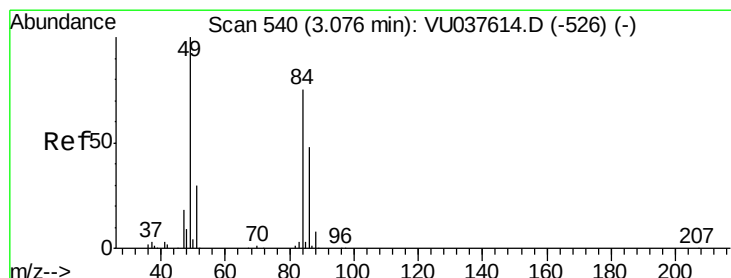
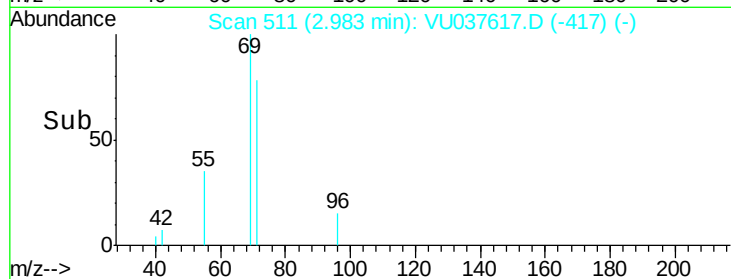
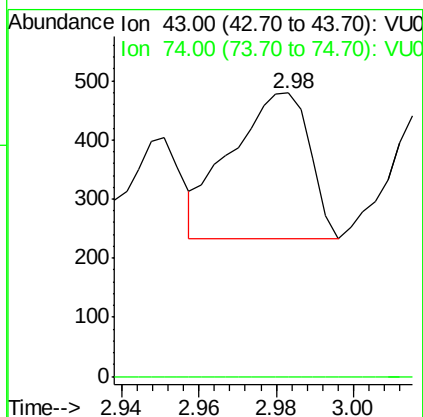
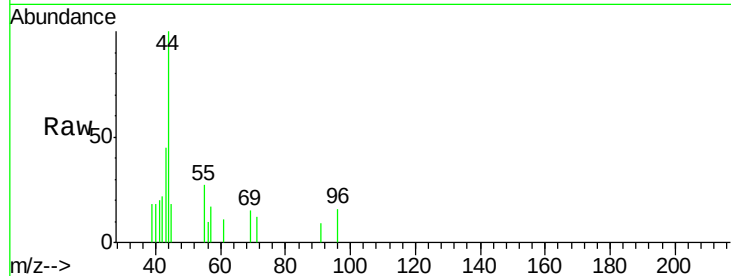




#15
Methvl Acetate
Concen: 20.163 ug/L
RT: 2.98 min Scan# 511
Delta R.T. 0.00 min
Lab File: VU037617.D
Acq: 09 Apr 2020 14:58

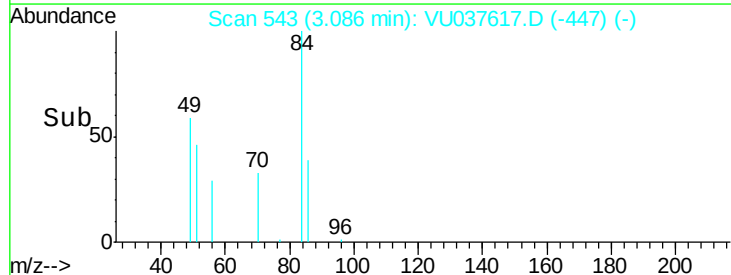
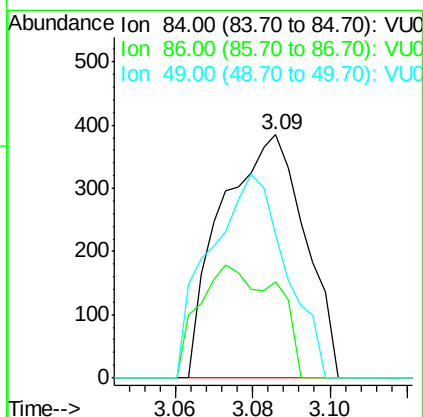
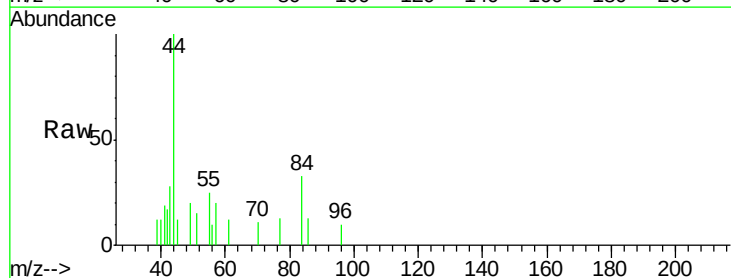
Instrument :
MSVOA_U
ClientSampled :
BFS80

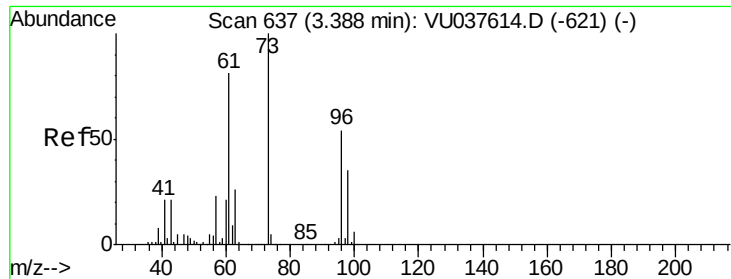
Tot Ion: 43 Resp: 351
Ion Ratio Lower Upper
43 100
74 0.0 17.9 26.9#



#16
Methylene chloride
Concen: 44.990 ug/L
RT: 3.09 min Scan# 543
Delta R.T. 0.01 min
Lab File: VU037617.D
Acq: 09 Apr 2020 14:58

Tgt Ion: 84 Resp: 575
Ion Ratio Lower Upper
84 100
86 39.5 44.1 81.9#
49 59.0 90.3 167.7#





#17

trans-1,2-Dichloroethene

Concen: 315.793 ug/L

RT: 3.39 min Scan# 637

Delta R.T. 0.00 min

Lab File: VU037617.D

Acq: 09 Apr 2020 14:58

Instrument :

MSVOA_U

ClientSampled :

BFS80

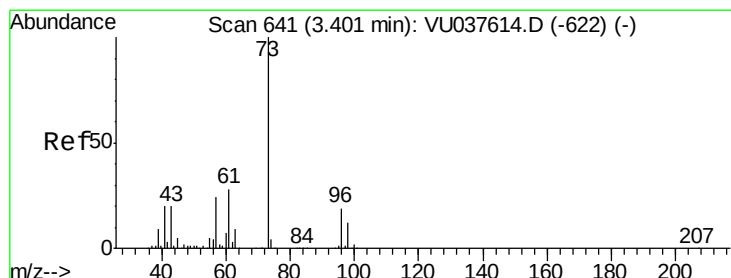
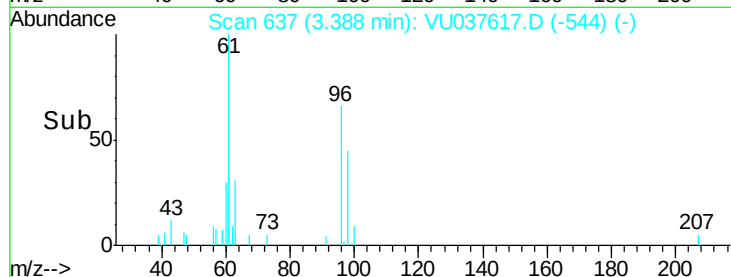
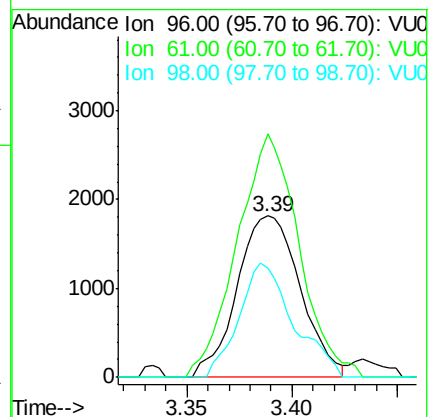
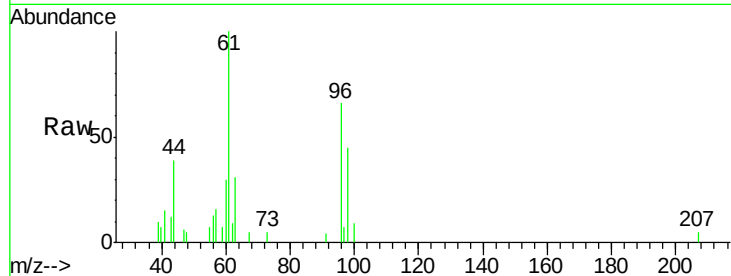
Tot Ion: 96 Resp: 3790

Ion Ratio Lower Upper

96 100

61 150.9 103.2 191.6

98 67.5 43.1 80.1



#18

Methyl tert-butyl Ether

Concen: 7.579 ug/L

RT: 3.40 min Scan# 640

Delta R.T. -0.00 min

Lab File: VU037617.D

Acq: 09 Apr 2020 14:58

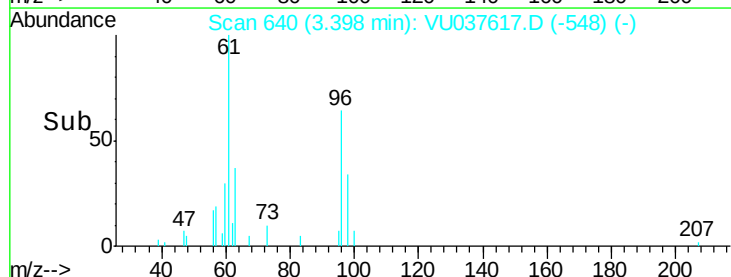
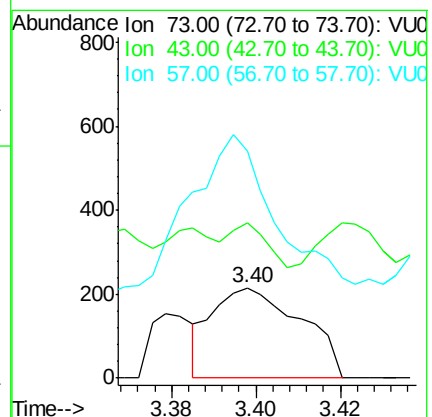
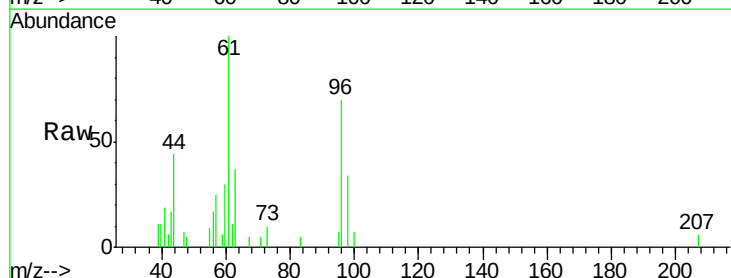
Tgt Ion: 73 Resp: 314

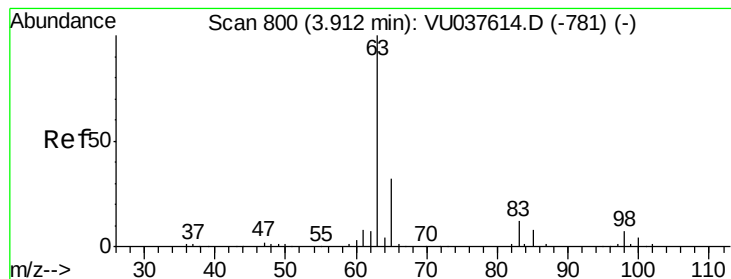
Ion Ratio Lower Upper

73 100

43 30.9 16.3 24.5#

57 228.0 18.3 27.5#





#19

1,1-Dichloroethane

Concen: 134236.058 ug/L

RT: 3.91 min Scan# 800

Delta R.T. 0.00 min

Lab File: VU037617.D

Acq: 09 Apr 2020 14:58

Instrument :

MSVOA_U

ClientSampleId :

BFS80

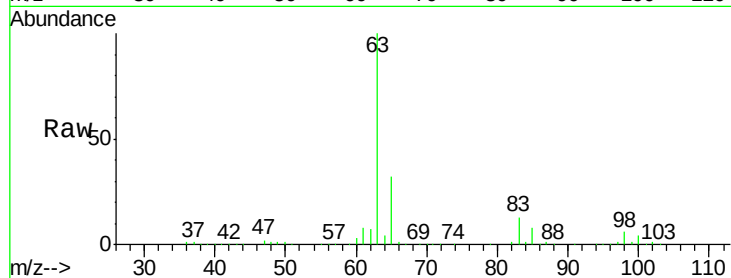
Tot Ion: 63 Resp: 3158426

Ion Ratio Lower Upper

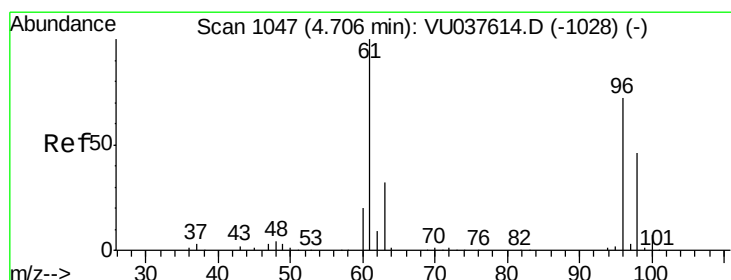
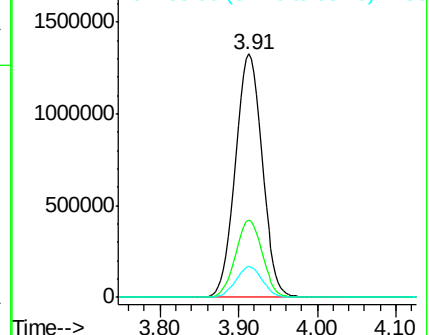
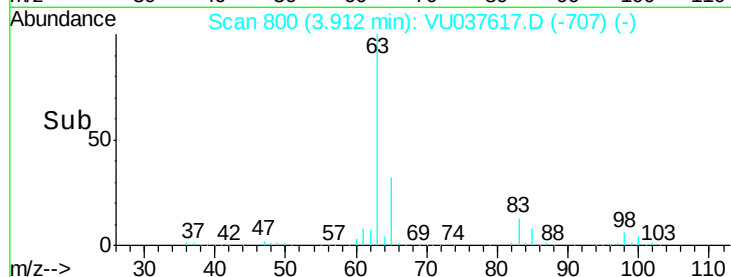
63 100

65 31.8 21.9 40.7

83 12.5 9.0 16.6



Abundance Ion 63.00 (62.70 to 63.70): VU037617.D (-707) (-)



#20

cis-1,2-Dichloroethene

Concen: 2499.818 ug/L

RT: 4.71 min Scan# 1048

Delta R.T. 0.00 min

Lab File: VU037617.D

Acq: 09 Apr 2020 14:58

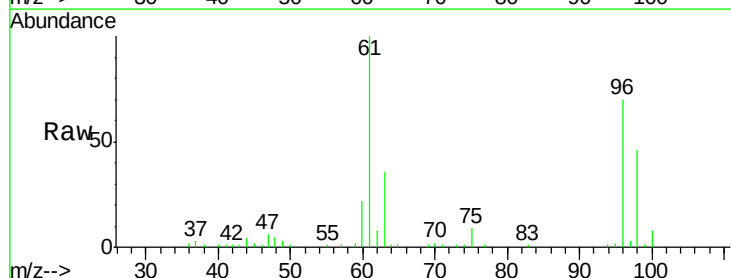
Tgt Ion: 96 Resp: 32988

Ion Ratio Lower Upper

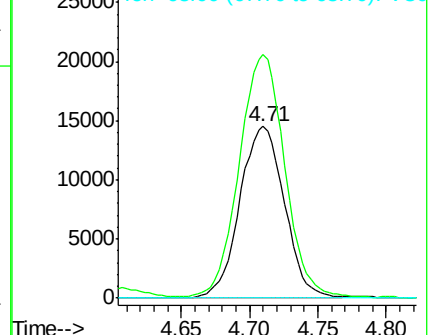
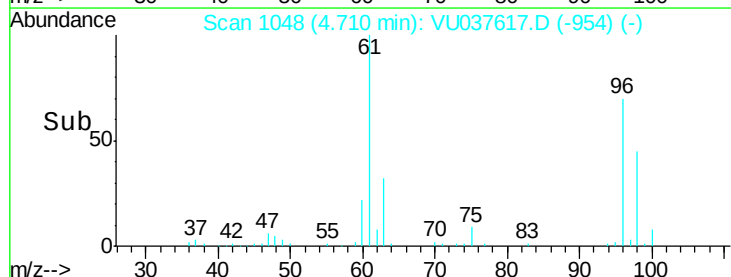
96 100

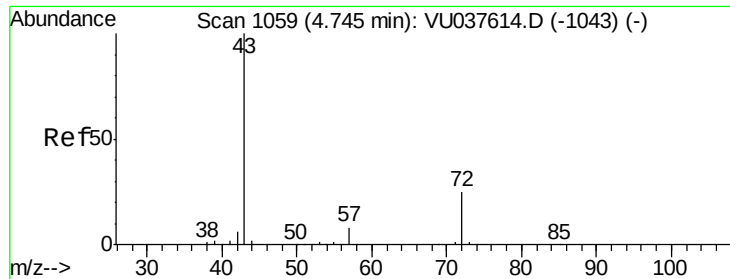
61 142.0 97.5 181.1

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU037617.D (-954) (-)





#22

2-Butanone

Concen: 547.025 ug/L

RT: 4.75 min Scan# 1062

Delta R.T. 0.01 min

Lab File: VU037617.D

Acq: 09 Apr 2020 14:58

Instrument :

MSVOA_U

ClientSampleId :

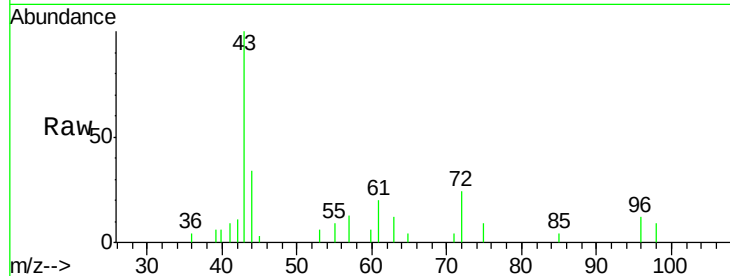
BFS80

Tot Ion: 43 Resp: 7009

Ion Ratio Lower Upper

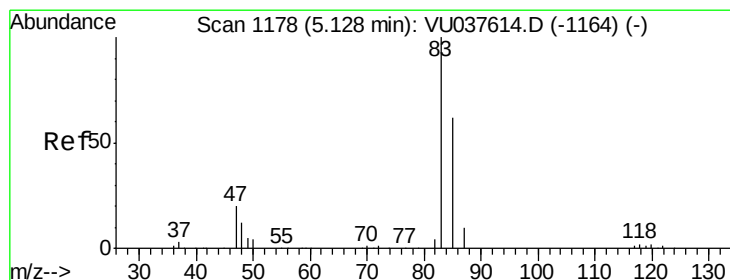
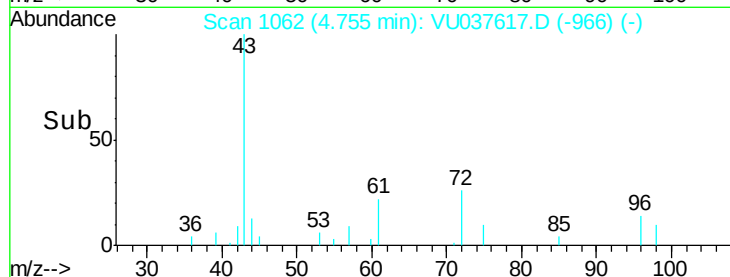
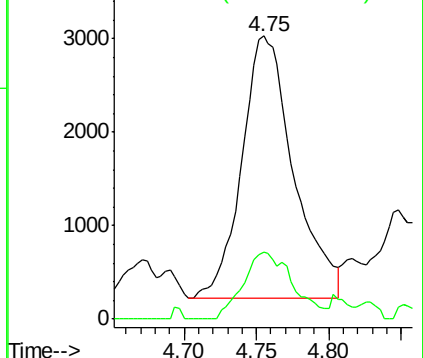
43 100

72 16.2 12.8 38.4



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0



#25

Chloroform

Concen: 27.734 ug/L

RT: 5.12 min Scan# 1177

Delta R.T. -0.00 min

Lab File: VU037617.D

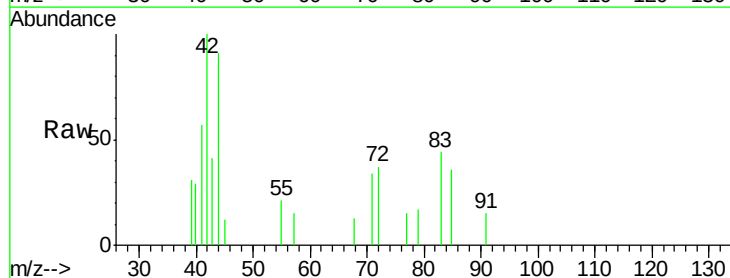
Acq: 09 Apr 2020 14:58

Tgt Ion: 83 Resp: 614

Ion Ratio Lower Upper

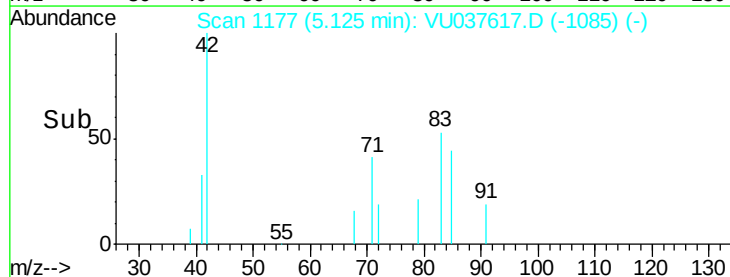
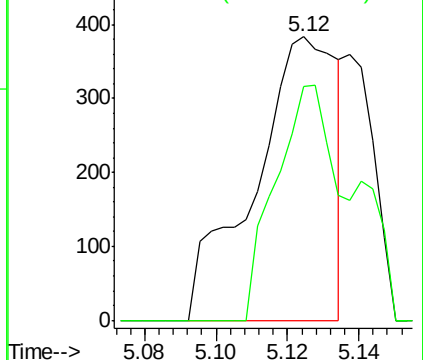
83 100

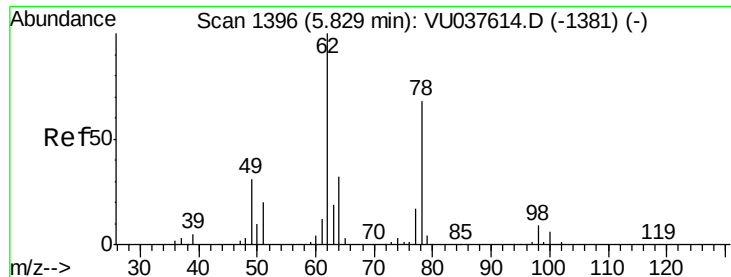
85 82.5 45.5 84.5



Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

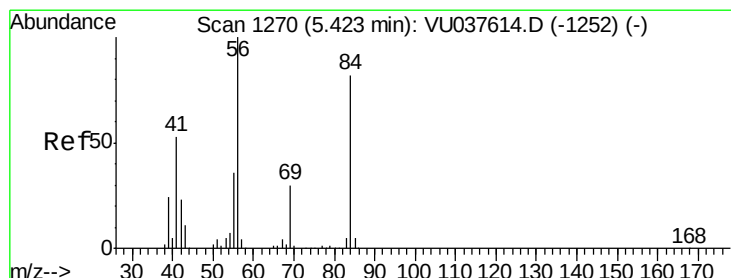
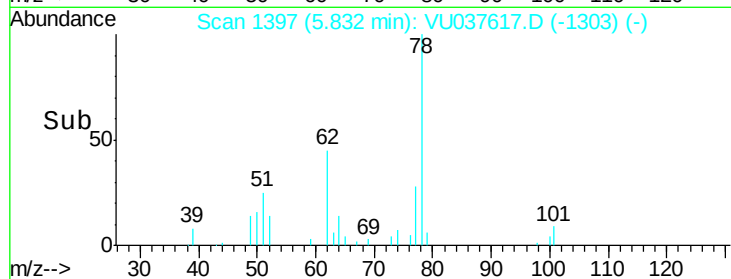
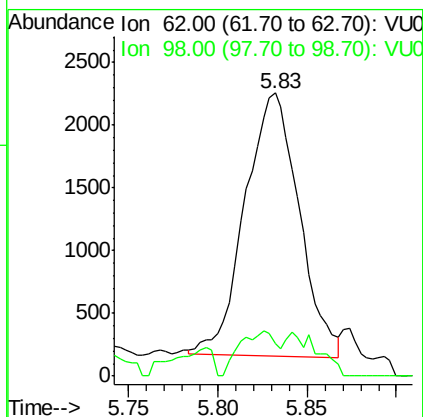
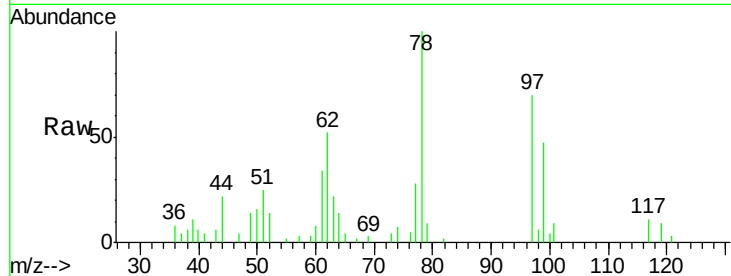




#27
 1,2-Dichloroethane
 Concen: 243.128 ug/L
 RT: 5.83 min Scan# 1397
 Delta R.T. 0.00 min
 Lab File: VU037617.D
 Acq: 09 Apr 2020 14:58

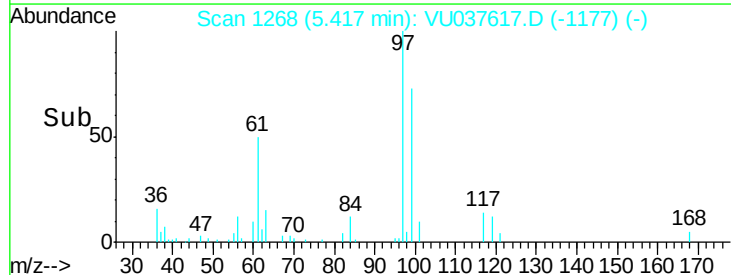
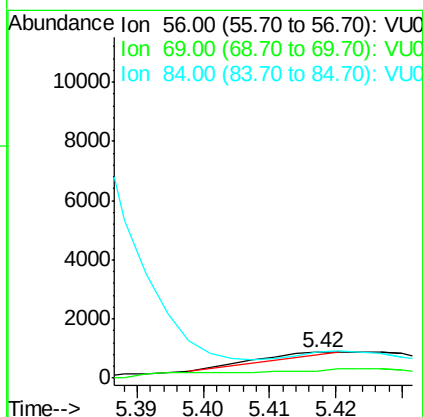
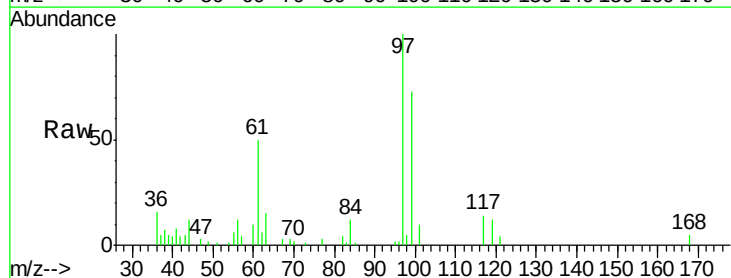
Instrument :
 MSVOA_U
 ClientSampleID :
 BFS80

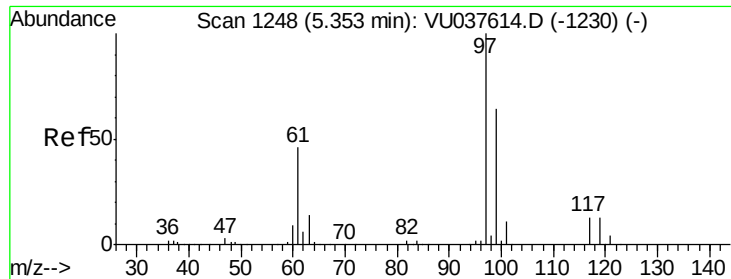
Tot Ion: 62 Resp: 4452
 Ion Ratio Lower Upper
 62 100
 98 11.3 7.8 11.6



#29
 Cyclohexane
 Concen: 7.822 ug/L
 RT: 5.42 min Scan# 1268
 Delta R.T. -0.01 min
 Lab File: VU037617.D
 Acq: 09 Apr 2020 14:58

Tgt Ion: 56 Resp: 185
 Ion Ratio Lower Upper
 56 100
 69 313.0 24.0 36.0#
 84 844.3 66.3 99.5#



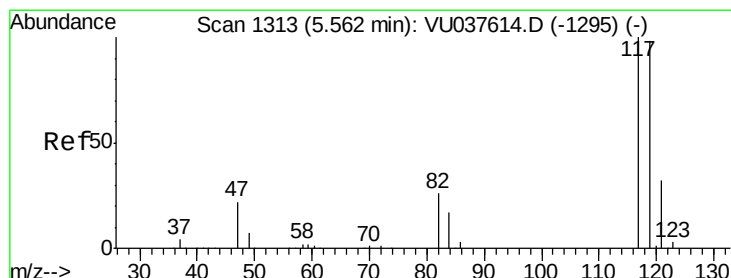
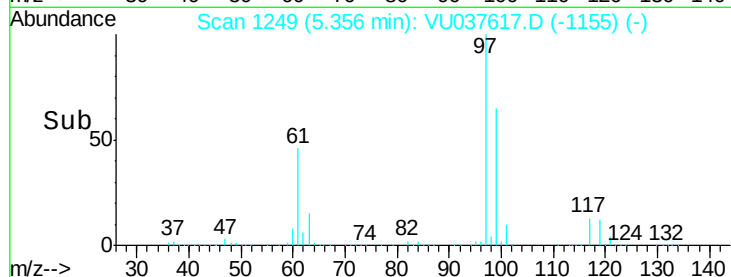
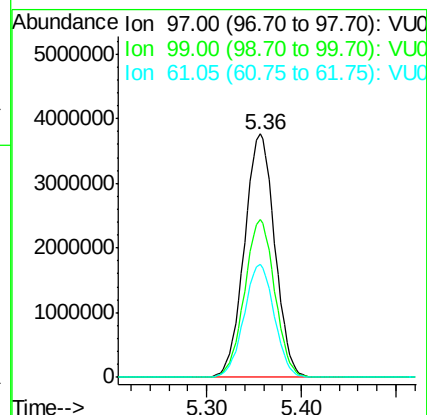
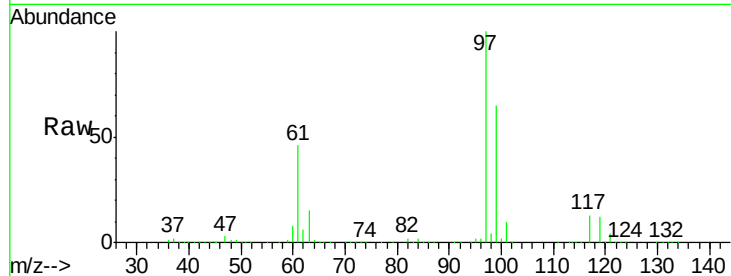


#30
 1,1,1-Trichloroethane
 Concen: 430124.338 ug/L
 RT: 5.36 min Scan# 1249
 Delta R.T. 0.00 min
 Lab File: VU037617.D
 Acq: 09 Apr 2020 14:58

Instrument :
 MSVOA_U
 ClientSampleId :
 BFS80

Tot Ion: 97 Resp: 8385568

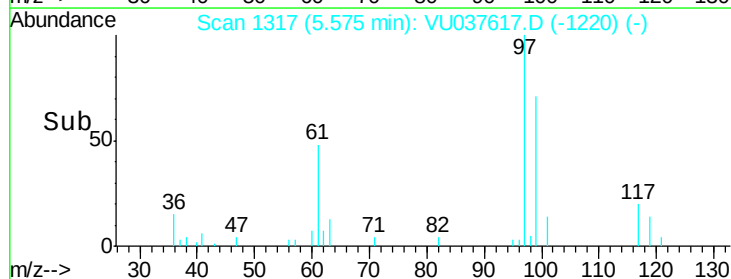
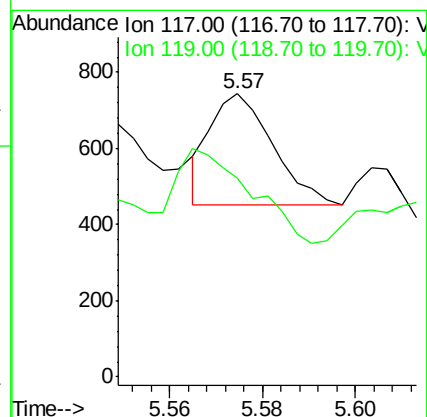
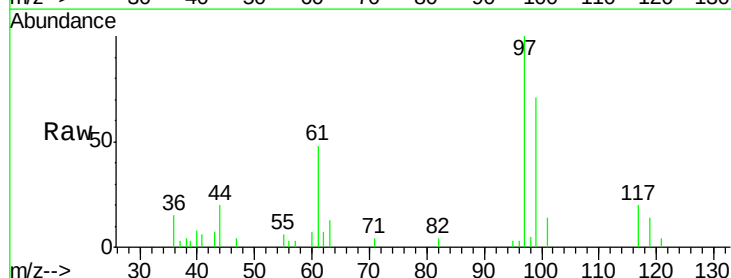
Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.9	77.9
61	46.2	37.1	55.7

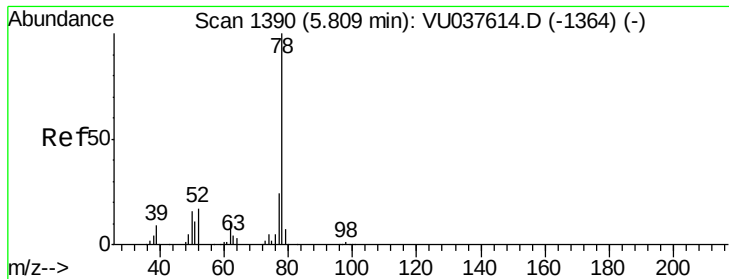


#31
 Carbon tetrachloride
 Concen: 17.060 ug/L
 RT: 5.57 min Scan# 1317
 Delta R.T. 0.01 min
 Lab File: VU037617.D
 Acq: 09 Apr 2020 14:58

Tgt Ion: 117 Resp: 270

Ion	Ratio	Lower	Upper
117	100		
119	99.3	77.0	115.4

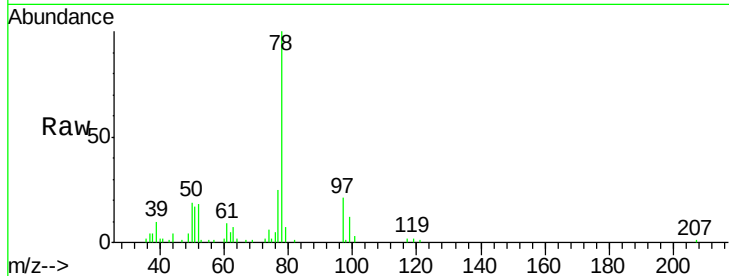




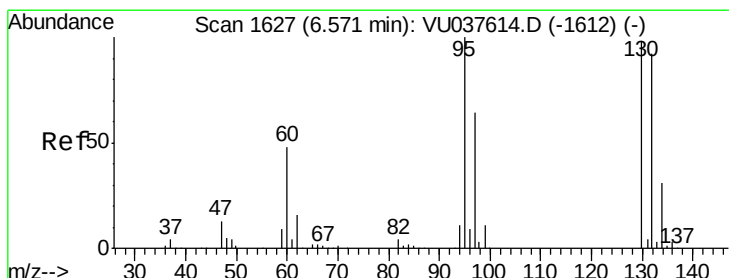
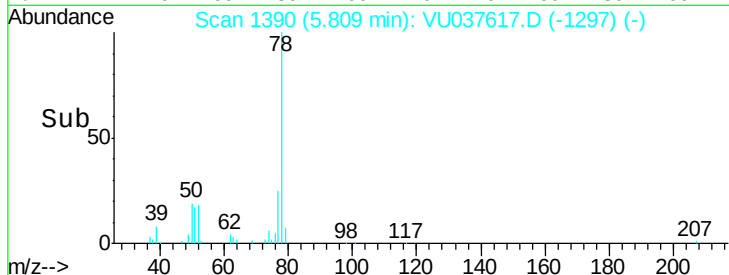
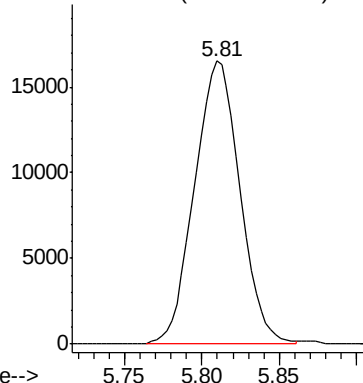
#33
Benzene
Concen: 644.225 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VU037617.D
Acq: 09 Apr 2020 14:58

Instrument :
MSVOA_U
ClientSampleId :
BFS80

Tgt Ion: 78 Resp: 33721



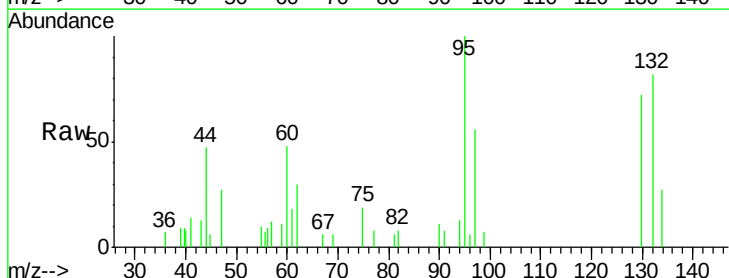
Abundance Ion 78.00 (77.70 to 78.70): VU0



#34
Trichloroethene
Concen: 245.551 ug/L
RT: 6.57 min Scan# 1628
Delta R.T. 0.00 min
Lab File: VU037617.D
Acq: 09 Apr 2020 14:58

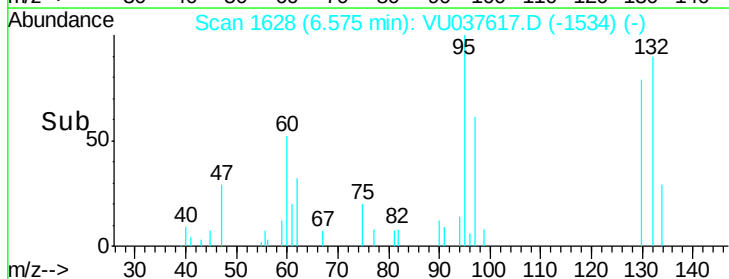
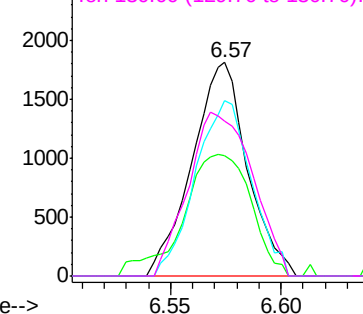
Tgt Ion: 95 Resp: 3164

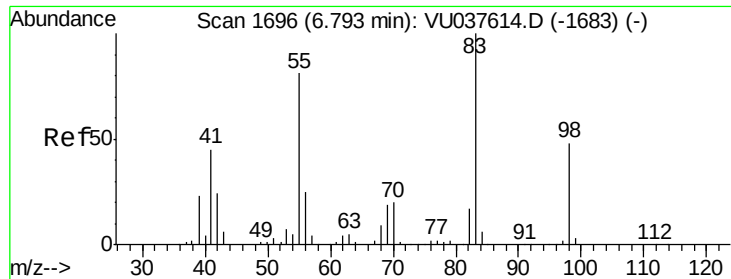
Ion	Ratio	Lower	Upper
95	100		
97	56.1	43.8	81.4
132	82.4	64.8	120.4
130	72.3	68.2	126.6



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

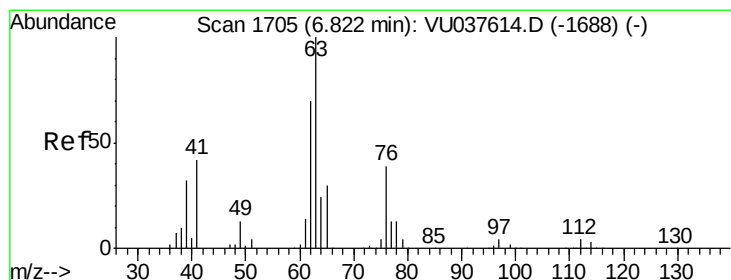
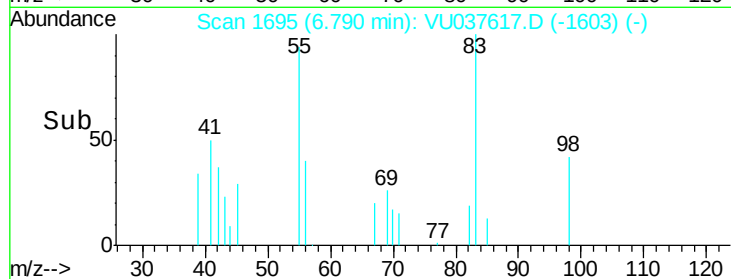
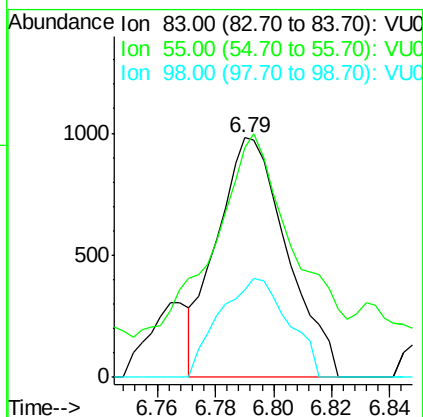
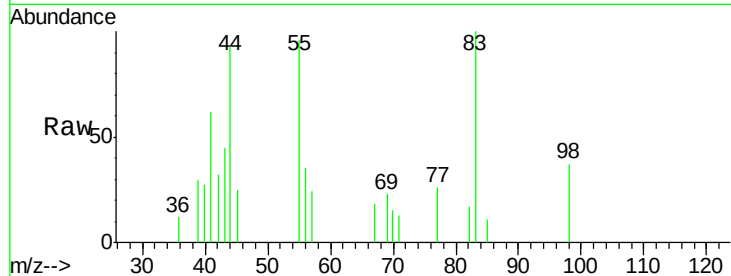




#35
Methylvlcyclohexane
Concen: 71.819 ug/L
RT: 6.79 min Scan# 1695
Delta R.T. -0.00 min
Lab File: VU037617.D
Acq: 09 Apr 2020 14:58

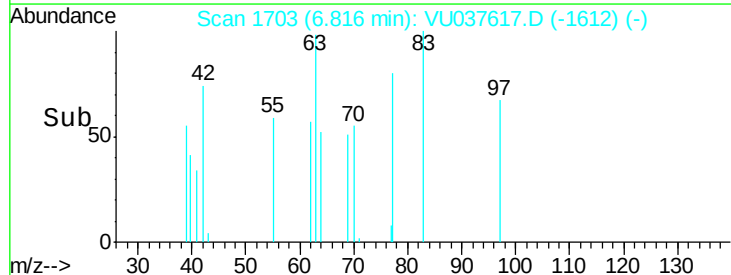
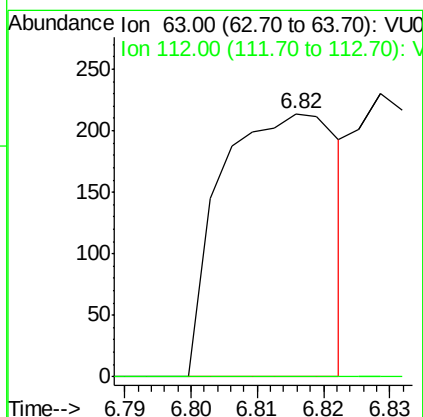
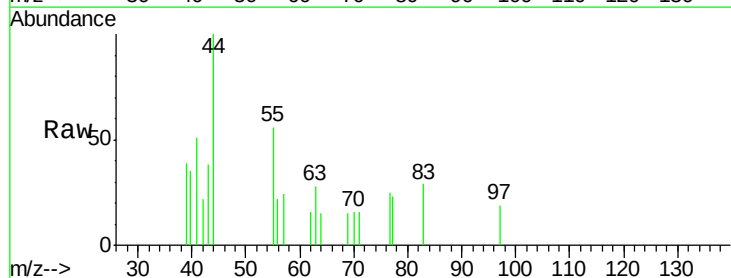
Instrument :
MSVOA_U
ClientSampleId :
BFS80

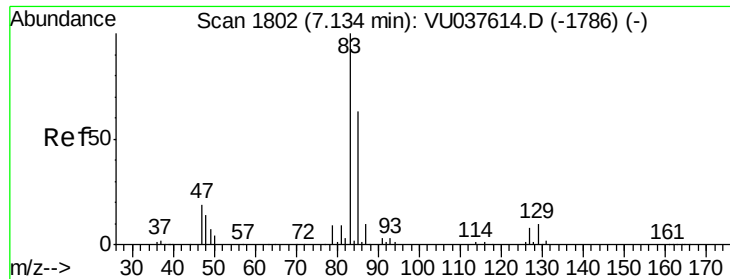
Tot Ion: 83 Resp: 1642
Ion Ratio Lower Upper
83 100
55 92.5 64.6 96.8
98 40.6 38.0 57.0



#37
1,2-Dichloropropane
Concen: 18.147 ug/L
RT: 6.82 min Scan# 1703
Delta R.T. -0.01 min
Lab File: VU037617.D
Acq: 09 Apr 2020 14:58

Tgt Ion: 63 Resp: 261
Ion Ratio Lower Upper
63 100
112 0.0 3.4 5.0#





#38

Bromodichloromethane

Concen: 5.704 ug/L

RT: 7.13 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VU037617.D

Acq: 09 Apr 2020 14:58

Instrument :

MSVOA_U

ClientSampleId :

BFS80

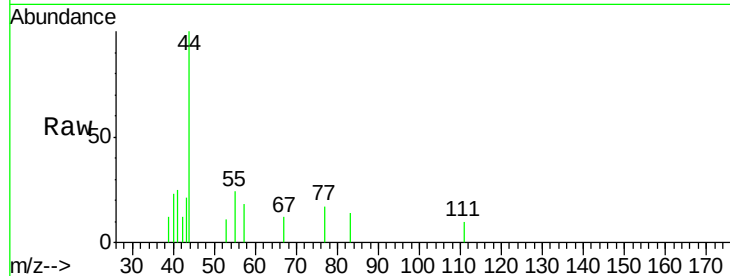
Tot Ion: 83 Resp: 101

Ion Ratio Lower Upper

83 100

85 0.0 45.1 83.7#

127 0.0 6.6 9.8#

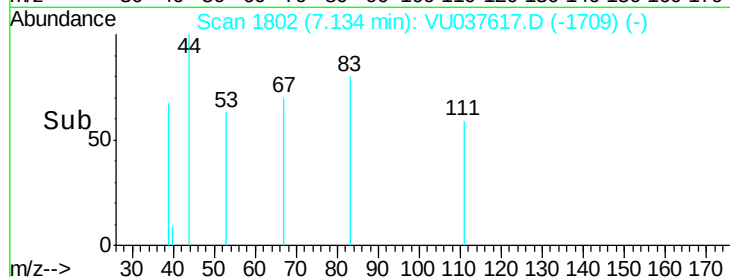


Abundance Ion 83.00 (82.70 to 83.70): VU037617.D (-1709) (-)

Ion 85.00 (84.70 to 85.70): VU037617.D (-1709) (-)

Ion 127.00 (126.70 to 127.70): VU037617.D (-1709) (-)

Time-->

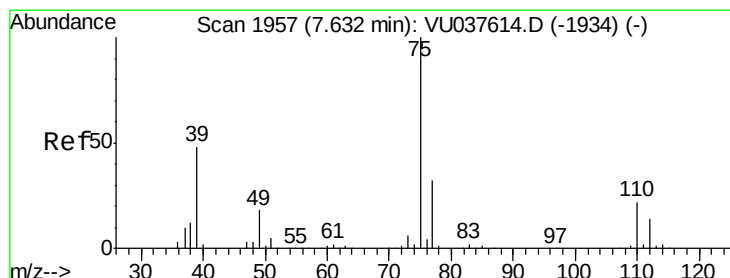


Abundance Ion 83.00 (82.70 to 83.70): VU037617.D (-1709) (-)

Ion 85.00 (84.70 to 85.70): VU037617.D (-1709) (-)

Ion 127.00 (126.70 to 127.70): VU037617.D (-1709) (-)

Time-->



#39

cis-1,3-Dichloropropene

Concen: 8.241 ug/L

RT: 7.64 min Scan# 1958

Delta R.T. 0.00 min

Lab File: VU037617.D

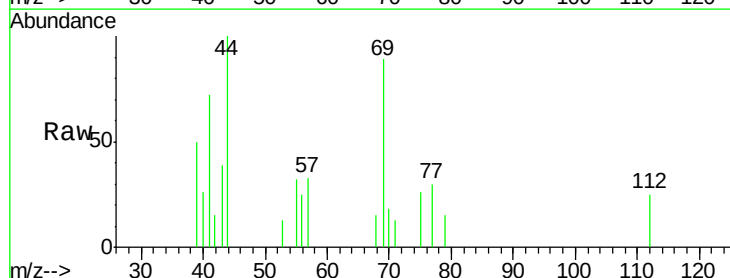
Acq: 09 Apr 2020 14:58

Tgt Ion: 75 Resp: 194

Ion Ratio Lower Upper

75 100

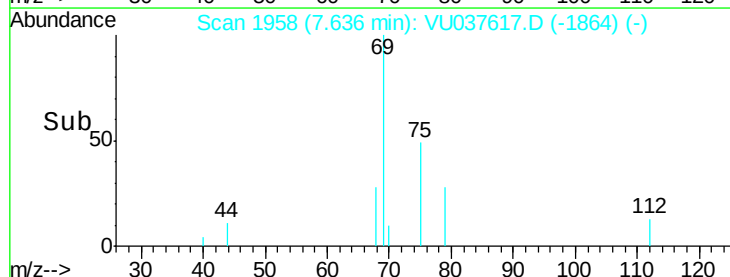
77 115.3 22.1 41.1#



Abundance Ion 75.00 (74.70 to 75.70): VU037617.D (-1864) (-)

Ion 77.00 (76.70 to 77.70): VU037617.D (-1864) (-)

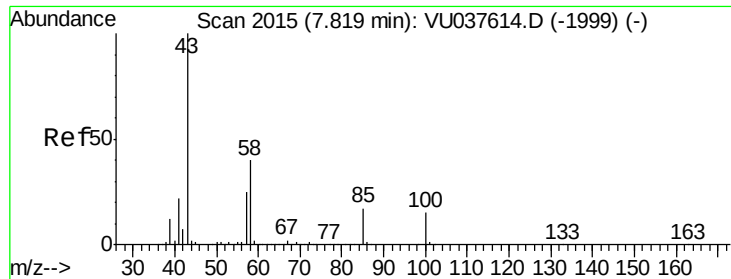
Time-->



Abundance Ion 75.00 (74.70 to 75.70): VU037617.D (-1864) (-)

Ion 77.00 (76.70 to 77.70): VU037617.D (-1864) (-)

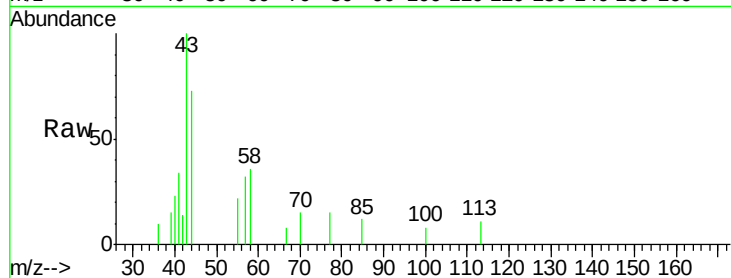
Time-->



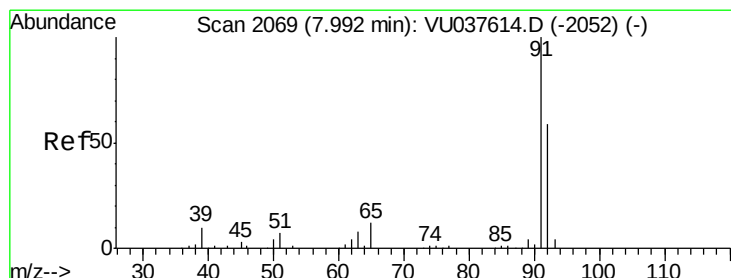
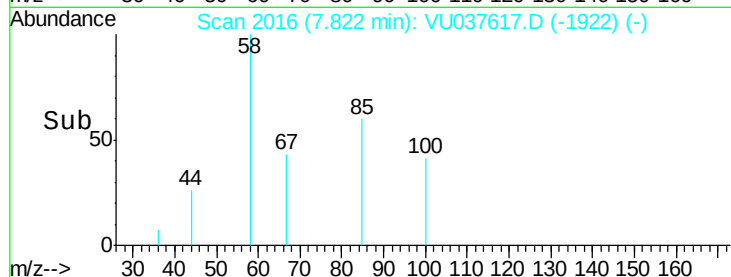
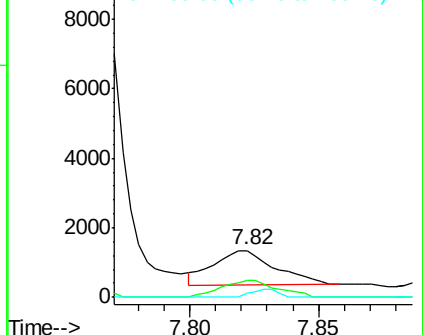
#40
4-Methyl-2-pentanone
Concen: 63.303 ug/L
RT: 7.82 min Scan# 2016
Delta R.T. 0.00 min
Lab File: VU037617.D
Acq: 09 Apr 2020 14:58

Instrument :
MSVOA_U
ClientSampleId :
BFS80

Tot Ion: 43 Resp: 1617
Ion Ratio Lower Upper
43 100
58 45.9 31.5 47.3
100 10.3 12.0 18.0#

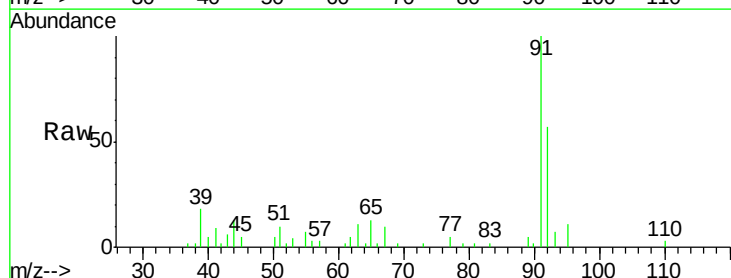


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

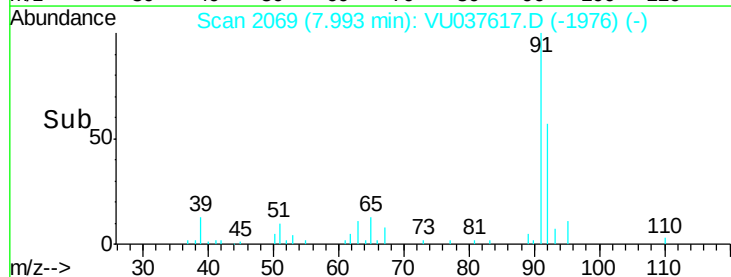
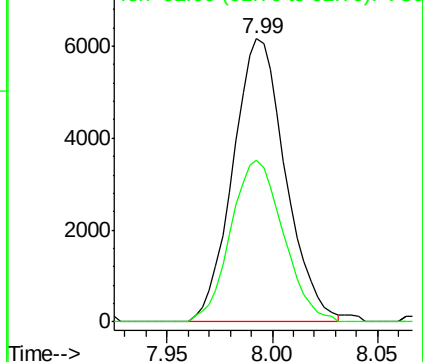


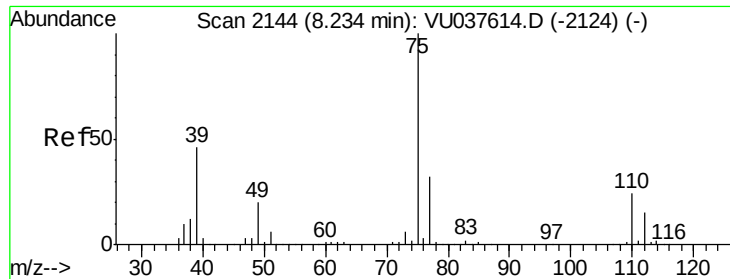
#42
Toluene
Concen: 191.859 ug/L
RT: 7.99 min Scan# 2069
Delta R.T. 0.00 min
Lab File: VU037617.D
Acq: 09 Apr 2020 14:58

Tgt Ion: 91 Resp: 10668
Ion Ratio Lower Upper
91 100
92 57.3 41.8 77.6



Abundance Ion 91.00 (90.70 to 91.70): VU0
Ion 92.00 (91.70 to 92.70): VU0





#44

trans-1,3-Dichloropropene

Concen: 16.390 ug/L

RT: 8.24 min Scan# 2145

Delta R.T. 0.00 min

Lab File: VU037617.D

Acq: 09 Apr 2020 14:58

Instrument :

MSVOA_U

ClientSampleId :

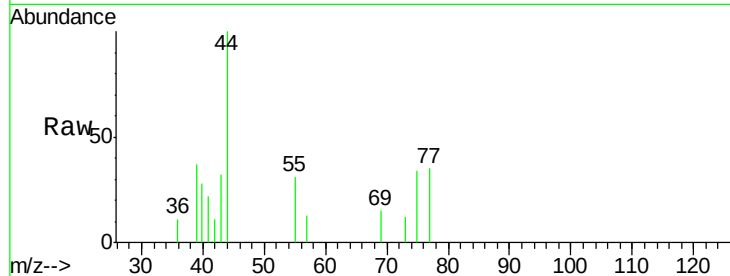
BFS80

Tot Ion: 75 Resp: 374

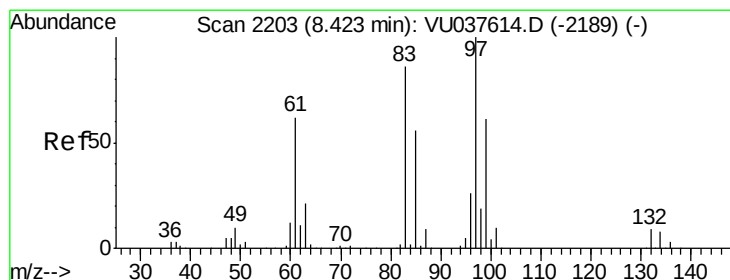
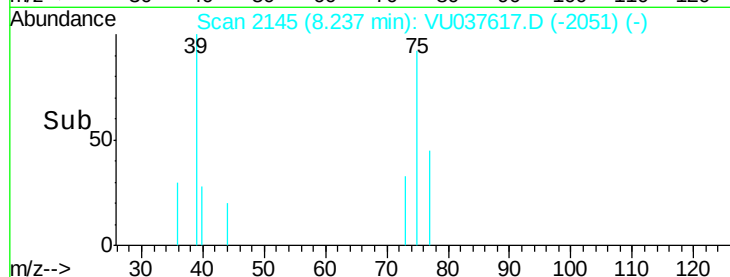
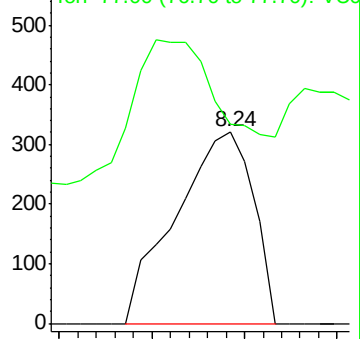
Ion Ratio Lower Upper

75 100

77 104.0 22.7 42.1#



Abundance Ion 75.00 (74.70 to 75.70): VU037617.D (-2124) (-)



#45

1,1,2-Trichloroethane

Concen: 222.160 ug/L

RT: 8.42 min Scan# 2202

Delta R.T. -0.00 min

Lab File: VU037617.D

Acq: 09 Apr 2020 14:58

Tgt Ion: 97 Resp: 2851

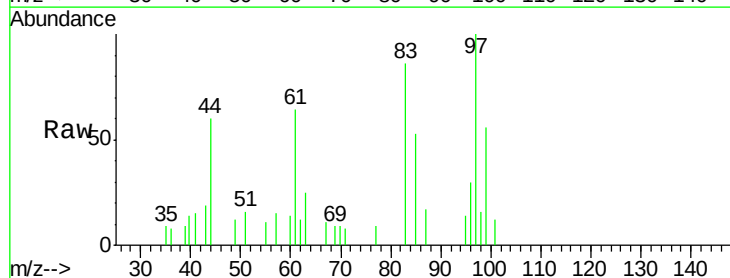
Ion Ratio Lower Upper

97 100

99 56.4 43.6 81.0

83 86.2 61.2 113.8

85 53.1 38.4 71.4

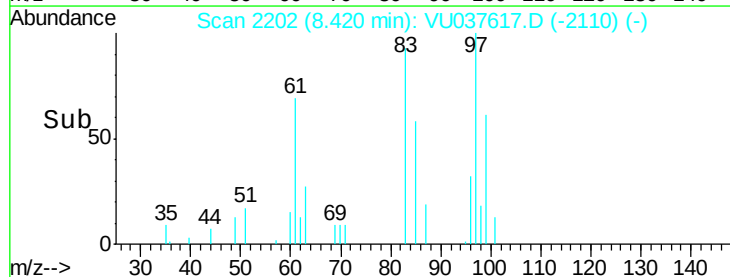
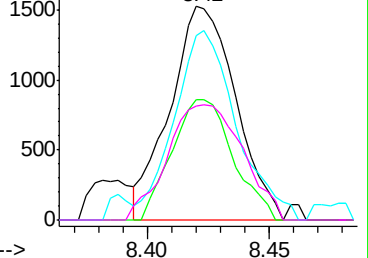


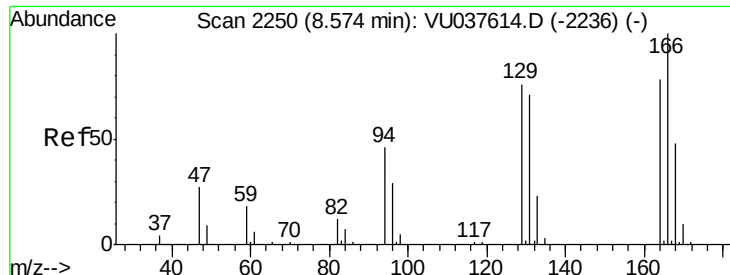
Abundance Ion 97.00 (96.70 to 97.70): VU037617.D (-2189) (-)

Ion 99.00 (98.70 to 99.70): VU037617.D (-2189) (-)

Ion 83.00 (82.70 to 83.70): VU037617.D (-2189) (-)

Ion 85.00 (84.70 to 85.70): VU037617.D (-2189) (-)





#46

Tetrachloroethene

Concen: 145.091 ug/L

RT: 8.57 min Scan# 2250

Delta R.T. 0.00 min

Lab File: VU037617.D

Acq: 09 Apr 2020 14:58

Instrument :

MSVOA_U

ClientSampleId :

BFS80

Tot Ion:164 Resp: 1391

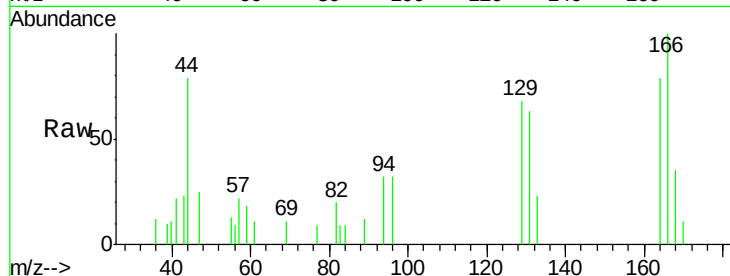
Ion Ratio Lower Upper

164 100

129 86.8 68.0 126.2

131 79.3 65.8 122.2

166 126.8 92.0 170.9

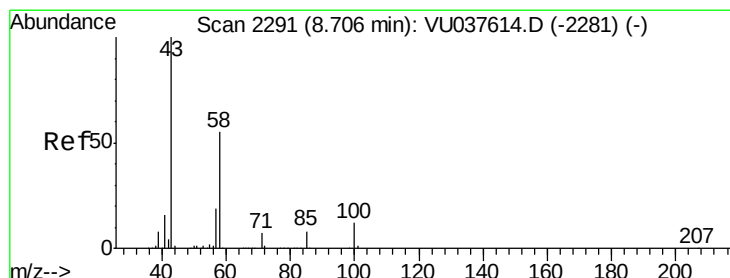
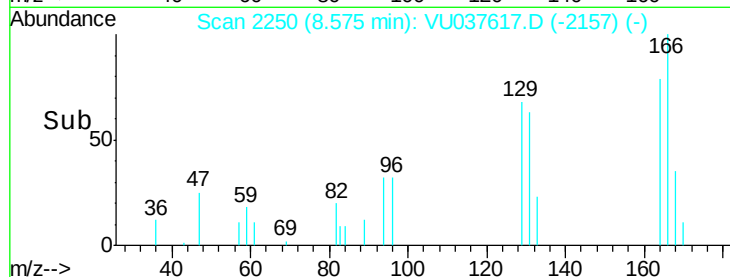
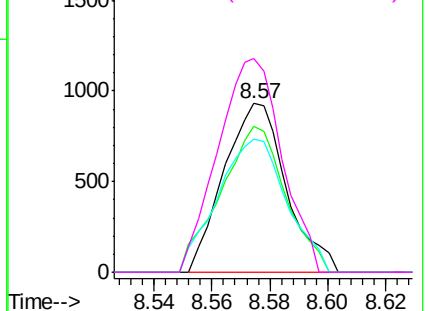


Abundance Ion 164.00 (163.70 to 164.70): V

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: 48.241 ug/L

RT: 8.70 min Scan# 2289

Delta R.T. -0.01 min

Lab File: VU037617.D

Acq: 09 Apr 2020 14:58

Tgt Ion: 43 Resp: 973

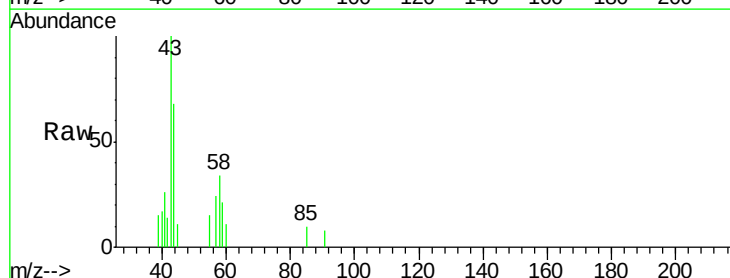
Ion Ratio Lower Upper

43 100

58 145.8 44.0 66.0#

57 49.6 15.2 22.8#

100 7.9 9.4 14.0#

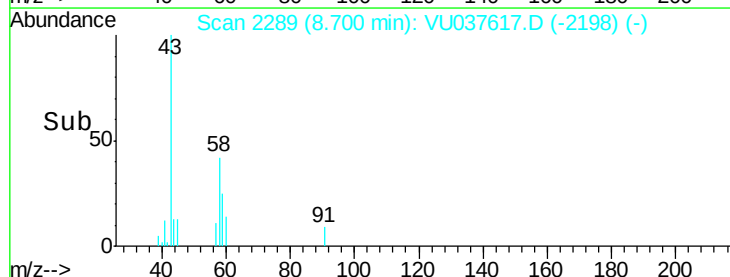
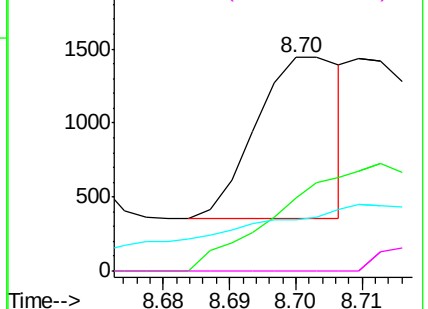


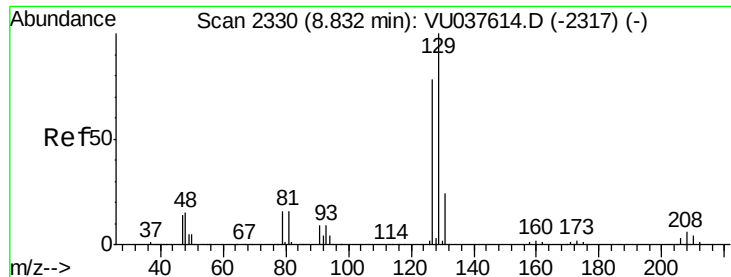
Abundance Ion 43.00 (42.70 to 43.70): VU0

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





#49

Dibromochloromethane

Concen: 90.543 ug/L

RT: 8.57 min Scan# 2250

Delta R.T. -0.26 min

Lab File: VU037617.D

Acq: 09 Apr 2020 14:58

Instrument :

MSVOA_U

ClientSampleId :

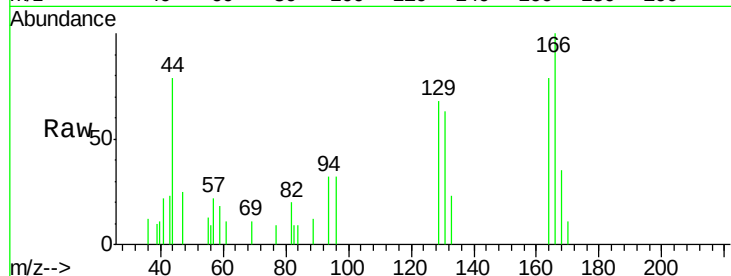
BFS80

Tot Ion:129 Resp: 1246

Ion Ratio Lower Upper

129 100

127 0.0 55.2 102.6#



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

8.57

800

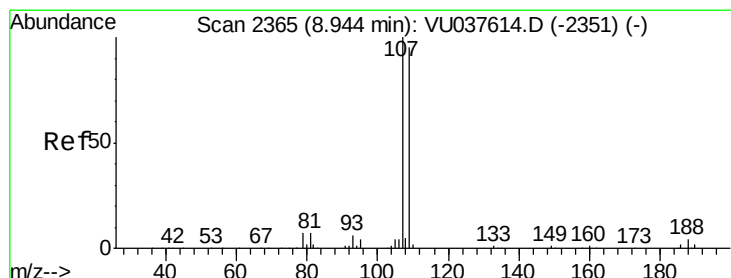
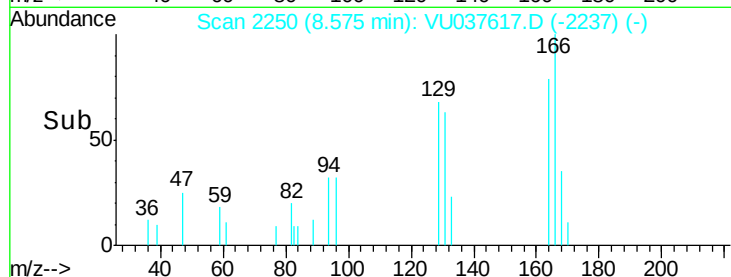
600

400

200

0

Time-->



#50

1,2-Dibromoethane

Concen: 4.609 ug/L

RT: 8.95 min Scan# 2367

Delta R.T. 0.01 min

Lab File: VU037617.D

Acq: 09 Apr 2020 14:58

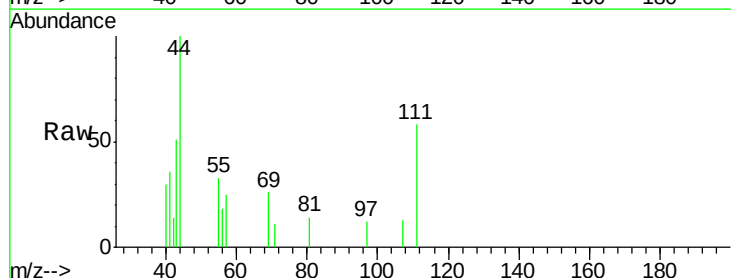
Tgt Ion:107 Resp: 64

Ion Ratio Lower Upper

107 100

109 0.0 67.3 125.1#

188 0.0 2.9 4.3#



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

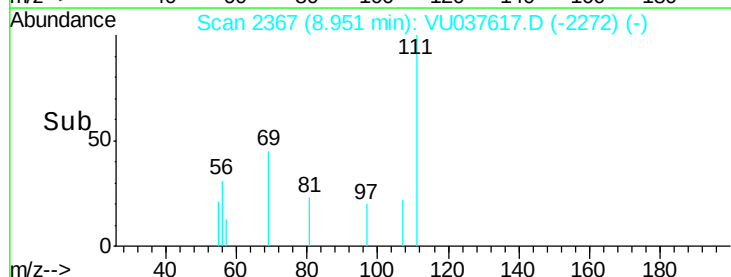
150

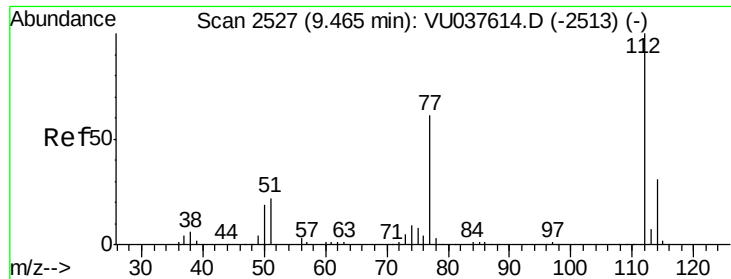
100

50

0

Time-->

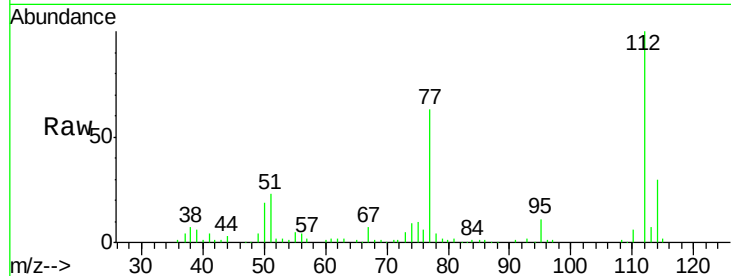




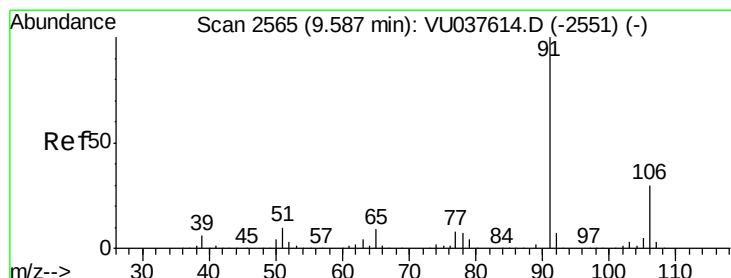
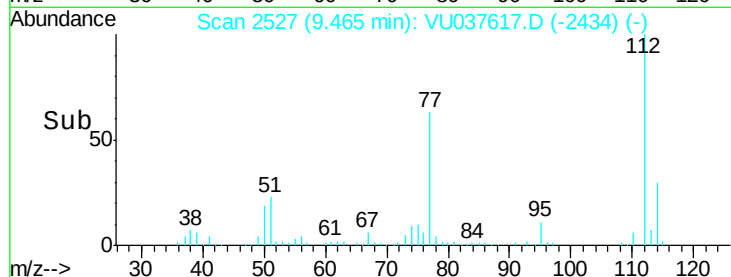
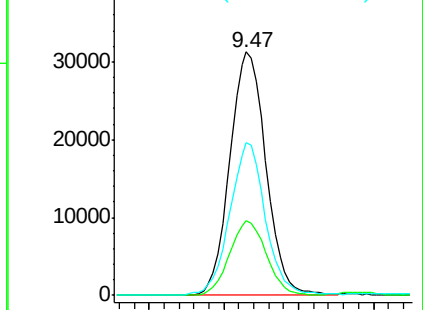
#51
Chlorobenzene
Concen: 1516.613 ug/L
RT: 9.47 min Scan# 2527
Delta R.T. 0.00 min
Lab File: VU037617.D
Acq: 09 Apr 2020 14:58

Instrument :
MSVOA_U
ClientSampleId :
BFS80

Tot Ion:112 Resp: 52664
Ion Ratio Lower Upper
112 100
114 30.4 22.4 41.6
77 62.7 49.2 73.8

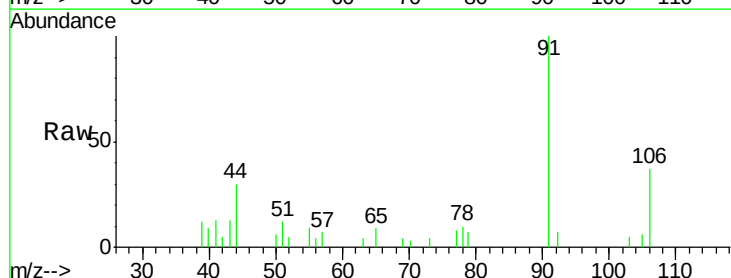


Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): V

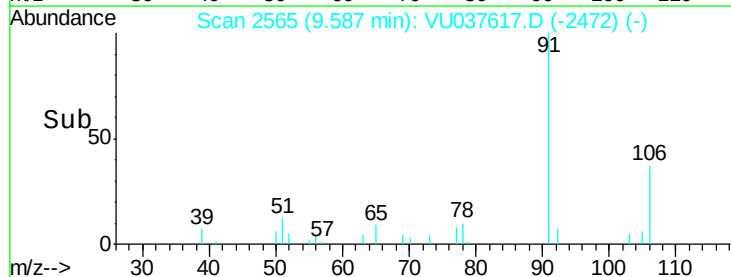
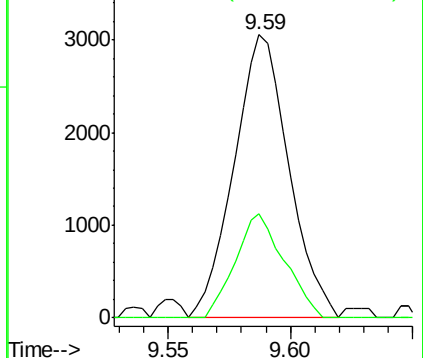


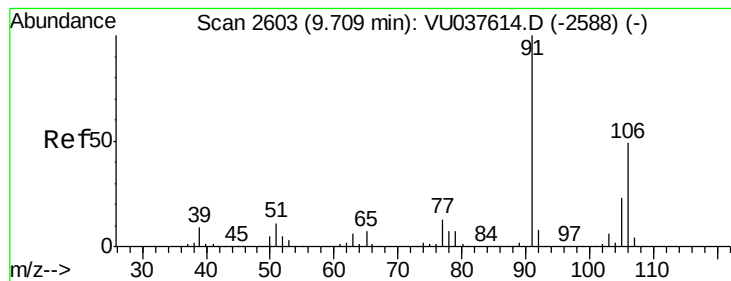
#52
Ethylbenzene
Concen: 76.370 ug/L
RT: 9.59 min Scan# 2565
Delta R.T. 0.00 min
Lab File: VU037617.D
Acq: 09 Apr 2020 14:58

Tgt Ion: 91 Resp: 4761
Ion Ratio Lower Upper
91 100
106 36.9 21.6 40.0



Abundance Ion 91.00 (90.70 to 91.70): V
Ion 106.00 (105.70 to 106.70): V





#53

m,p-Xylene

Concen: 112.415 ug/L

RT: 9.71 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VU037617.D

Acq: 09 Apr 2020 14:58

Instrument :

MSVOA_U

ClientSampleId :

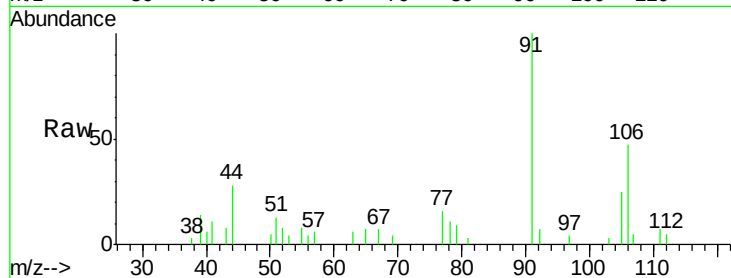
BFS80

Tot Ion:106 Resp: 2661

Ion Ratio Lower Upper

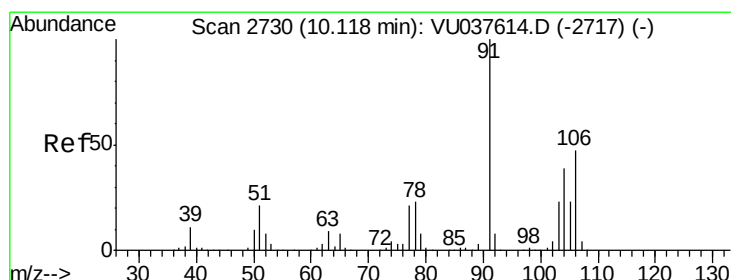
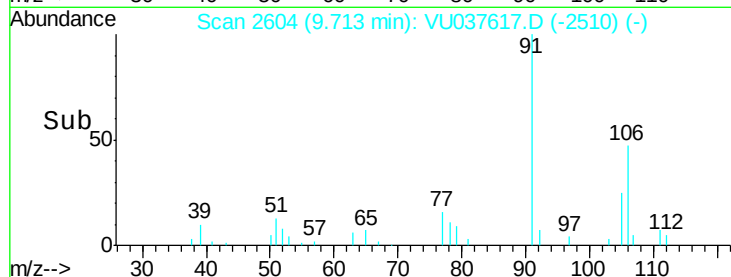
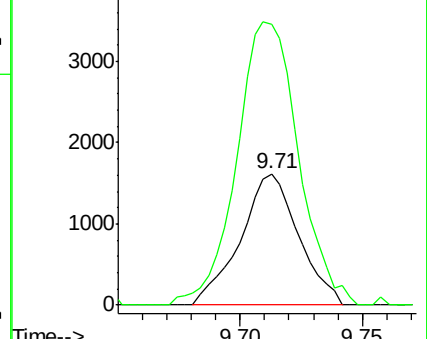
106 100

91 213.3 140.8 261.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#54

o-xylene

Concen: 138.349 ug/L

RT: 10.12 min Scan# 2730

Delta R.T. 0.00 min

Lab File: VU037617.D

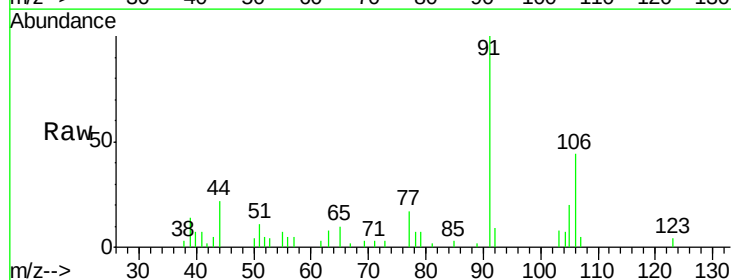
Acq: 09 Apr 2020 14:58

Tgt Ion:106 Resp: 3248

Ion Ratio Lower Upper

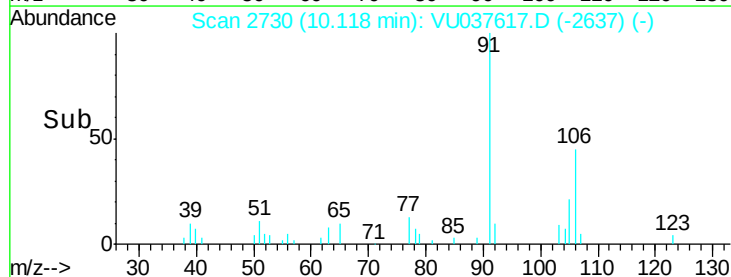
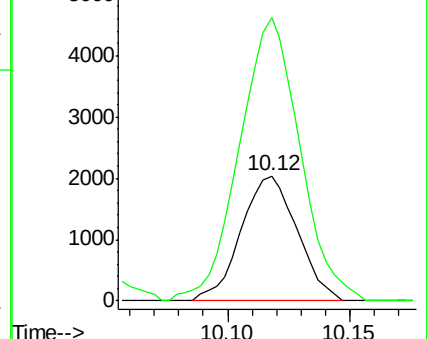
106 100

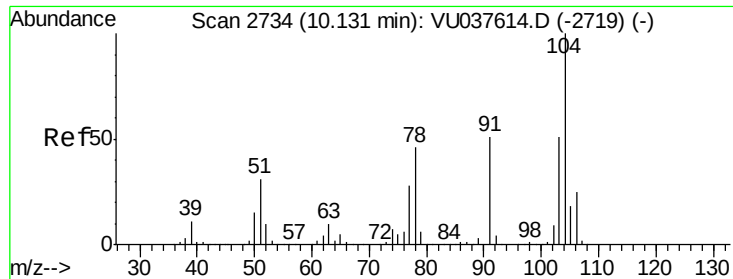
91 226.9 151.1 280.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0

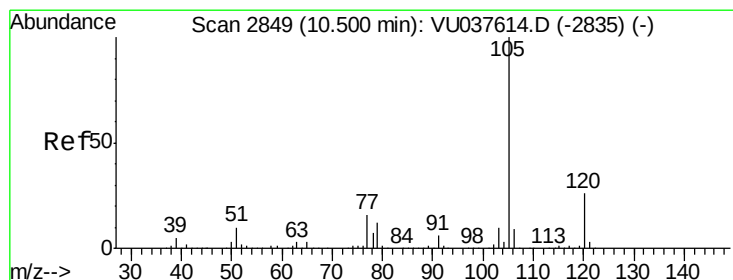
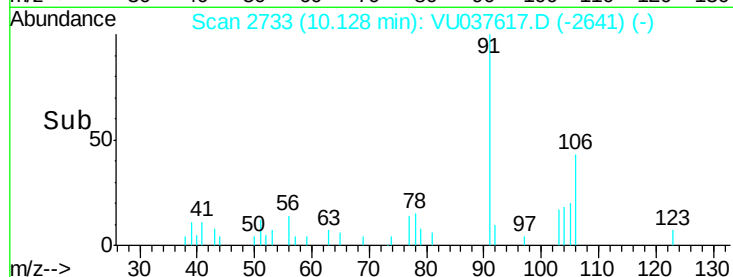
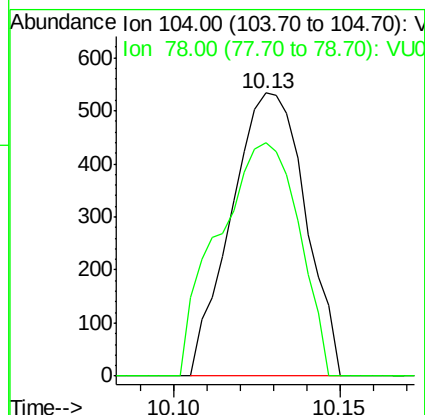
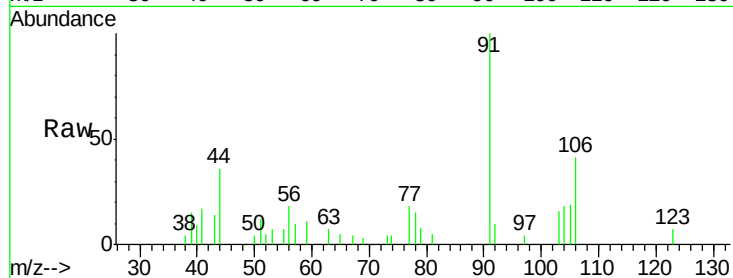




#55
Stvrene
Concen: 20.317 ug/L
RT: 10.13 min Scan# 2733
Delta R.T. -0.00 min
Lab File: VU037617.D
Acq: 09 Apr 2020 14:58

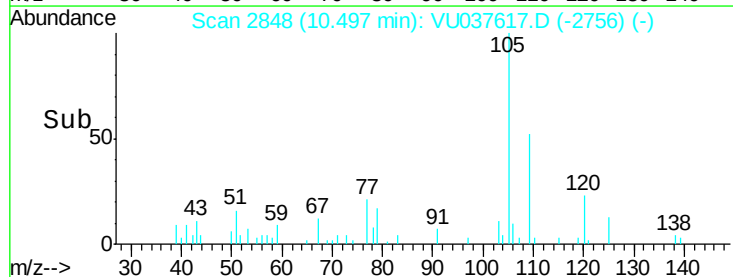
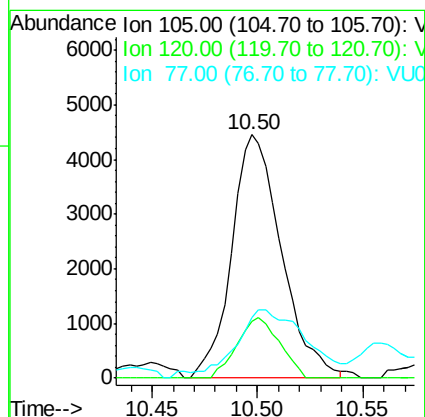
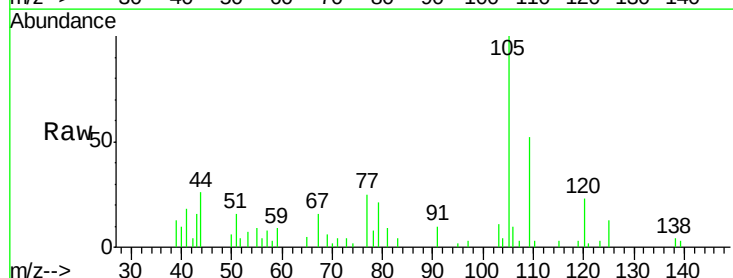
Instrument :
MSVOA_U
ClientSampleId :
BFS80

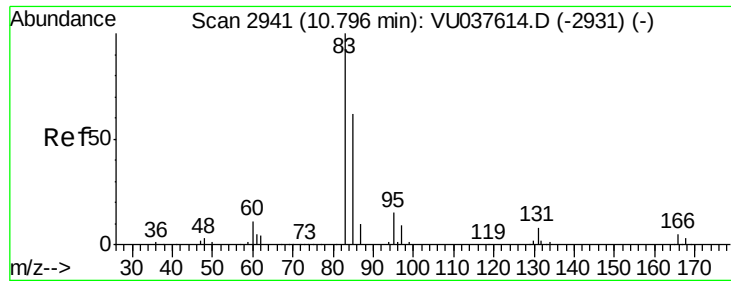
Tot Ion:104 Resp: 827
Ion Ratio Lower Upper
104 100
78 82.6 32.0 59.4#



#56
Isopropylbenzene
Concen: 119.094 ug/L
RT: 10.50 min Scan# 2848
Delta R.T. -0.00 min
Lab File: VU037617.D
Acq: 09 Apr 2020 14:58

Tgt Ion:105 Resp: 7280
Ion Ratio Lower Upper
105 100
120 21.2 20.7 31.1
77 19.4 12.7 19.1#





#58

1,1,2,2-Tetrachloroethane

Concen: 109.142 ug/L

RT: 10.80 min Scan# 2942

Delta R.T. 0.00 min

Lab File: VU037617.D

Acq: 09 Apr 2020 14:58

Instrument :

MSVOA_U

ClientSampleId :

BFS80

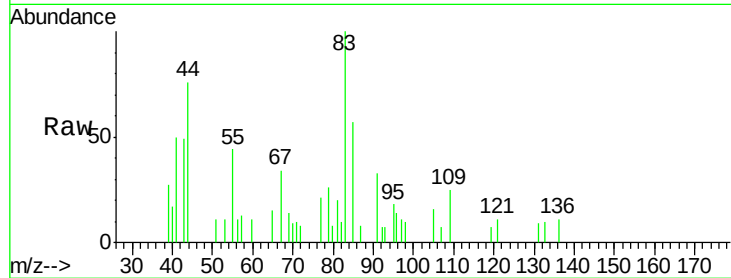
Tot Ion: 83 Resp: 2501

Ion Ratio Lower Upper

83 100

85 56.8 44.2 82.2

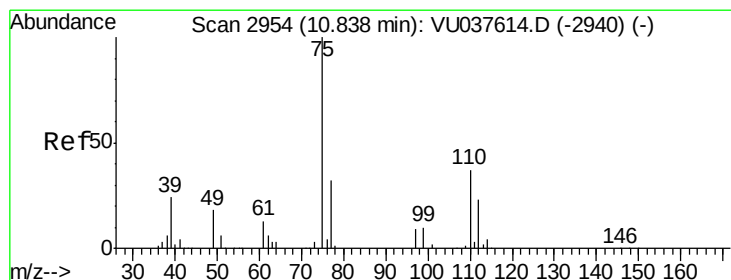
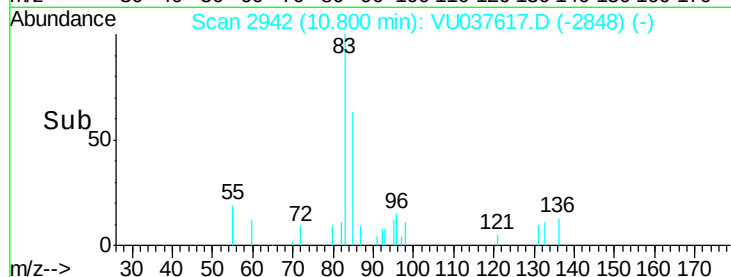
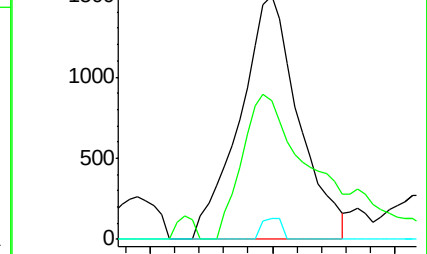
131 8.6 7.6 11.4



Abundance Ion 83.00 (82.70 to 83.70): VU037617.D (-2942) (-)

Ion 85.00 (84.70 to 85.70): VU037617.D (-2942) (-)

Ion 131.00 (130.70 to 131.70): VU037617.D (-2942) (-)



#59

1,2,3-Trichloropropane

Concen: 55.888 ug/L

RT: 10.36 min Scan# 2806

Delta R.T. -0.48 min

Lab File: VU037617.D

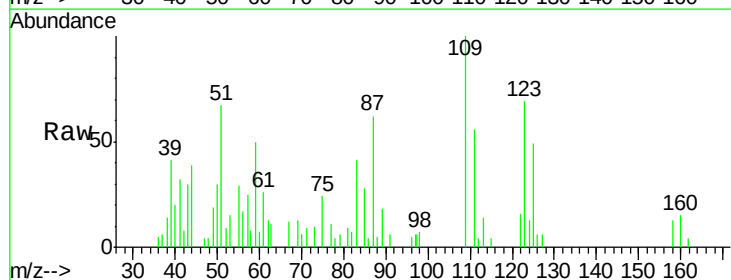
Acq: 09 Apr 2020 14:58

Tgt Ion: 75 Resp: 1092

Ion Ratio Lower Upper

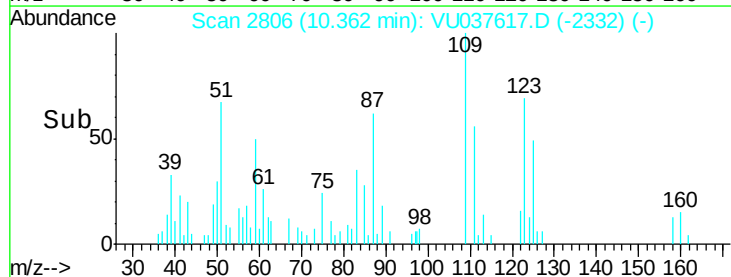
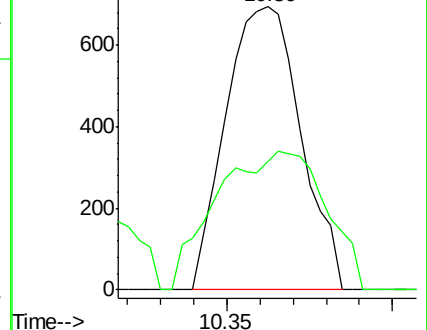
75 100

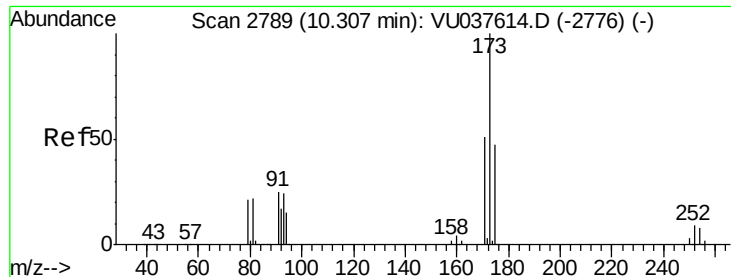
77 31.3 25.6 38.4



Abundance Ion 75.00 (74.70 to 75.70): VU037617.D (-2806) (-)

Ion 77.00 (76.70 to 77.70): VU037617.D (-2806) (-)





#61

Bromoform

Concen: 1.701 ug/L

RT: 10.31 min Scan# 2790

Delta R.T. 0.00 min

Lab File: VU037617.D

Acq: 09 Apr 2020 14:58

Instrument :

MSVOA_U

ClientSampled :

BFS80

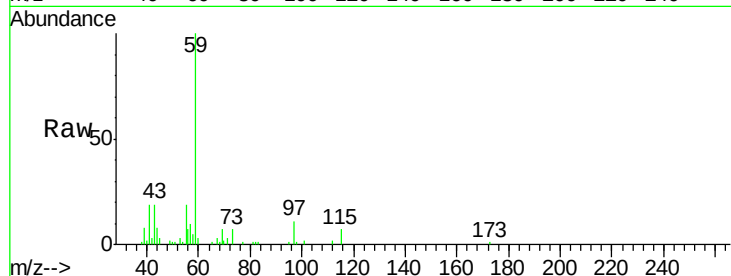
Tot Ion:173 Resp: 44

Ion Ratio Lower Upper

173 100

175 0.0 38.7 58.1#

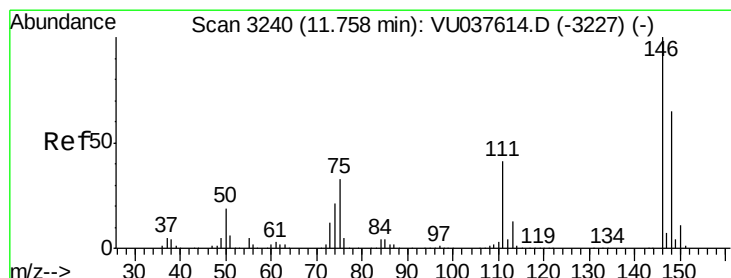
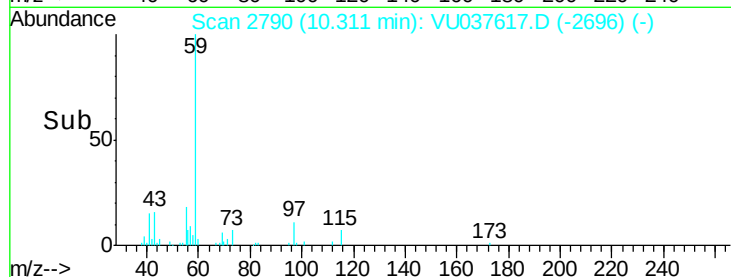
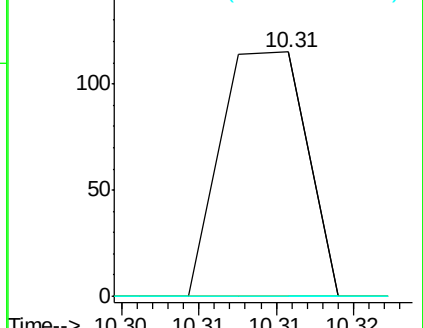
254 0.0 7.0 10.6#



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#62

1,3-Dichlorobenzene

Concen: 27.186 ug/L

RT: 11.76 min Scan# 3241

Delta R.T. 0.00 min

Lab File: VU037617.D

Acq: 09 Apr 2020 14:58

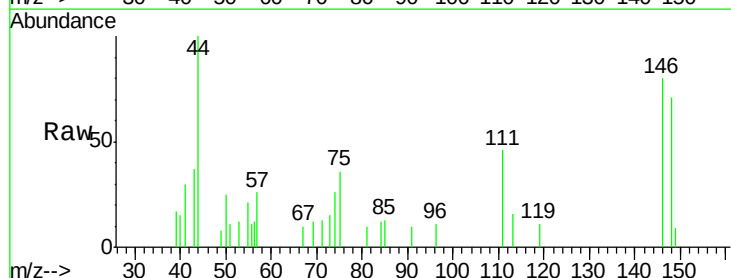
Tgt Ion:146 Resp: 1786

Ion Ratio Lower Upper

146 100

111 56.9 28.6 53.0#

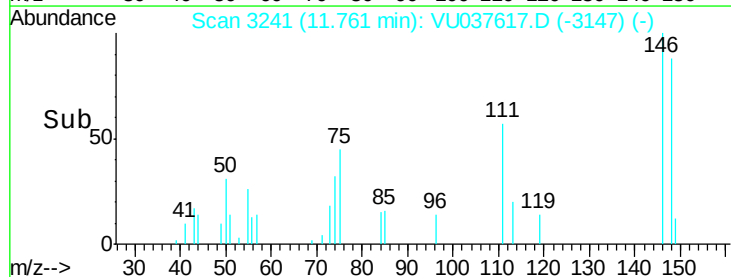
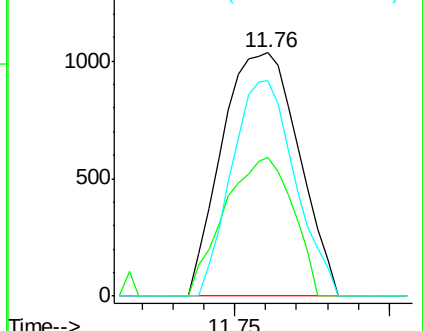
148 88.4 44.7 82.9#

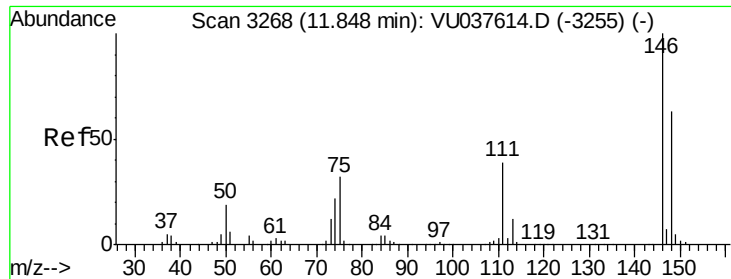


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

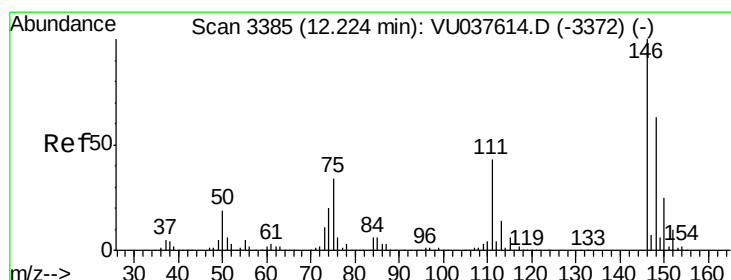
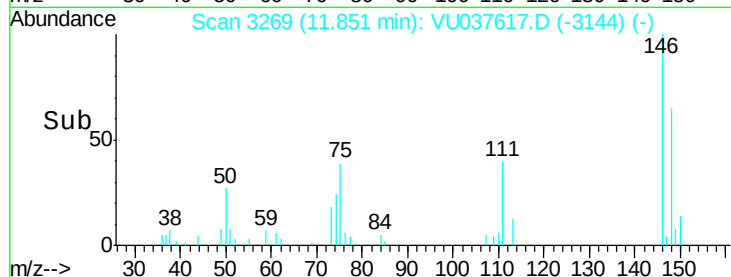
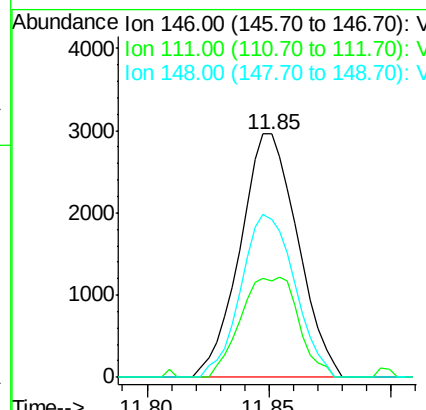
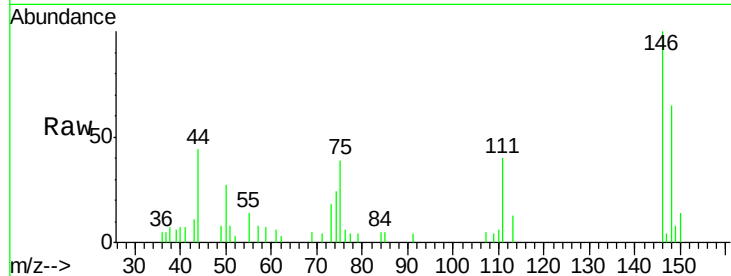




#63
 1,4-Dichlorobenzene
 Concen: 73.444 ug/L
 RT: 11.85 min Scan# 3269
 Delta R.T. 0.00 min
 Lab File: VU037617.D
 Acq: 09 Apr 2020 14:58

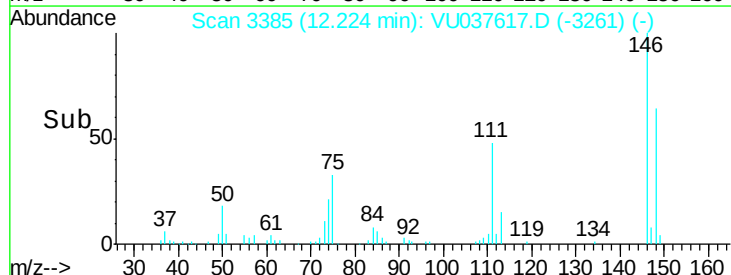
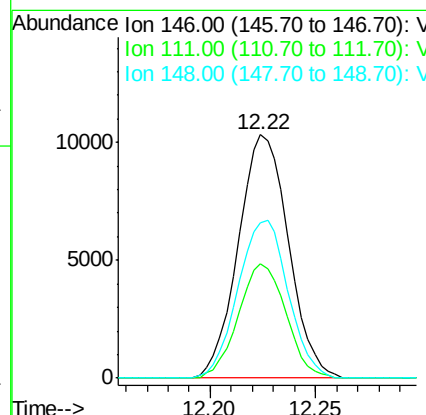
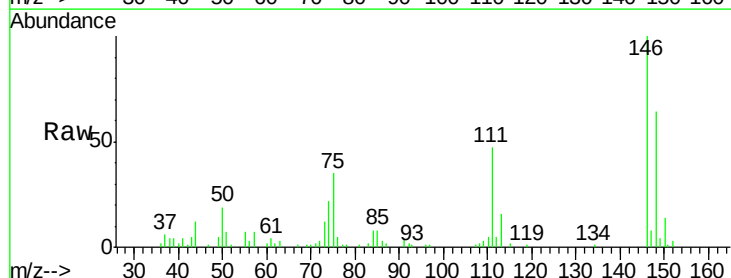
Instrument :
 MSVOA_U
 ClientSampleId :
 BFS80

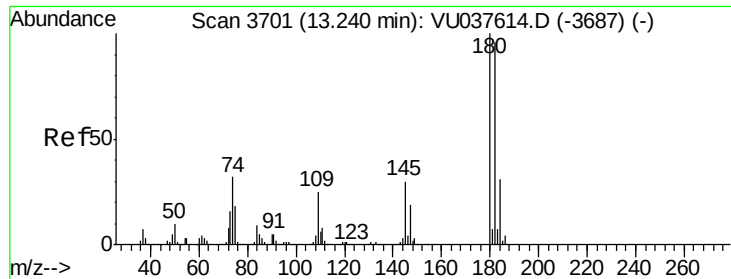
Tot Ion:146 Resp: 4841
 Ion Ratio Lower Upper
 146 100
 111 39.9 27.2 50.6
 148 65.0 44.9 83.3



#65
 1,2-Dichlorobenzene
 Concen: 264.069 ug/L
 RT: 12.22 min Scan# 3385
 Delta R.T. 0.00 min
 Lab File: VU037617.D
 Acq: 09 Apr 2020 14:58

Tgt Ion:146 Resp: 17097
 Ion Ratio Lower Upper
 146 100
 111 46.9 34.2 51.4
 148 64.0 50.9 76.3

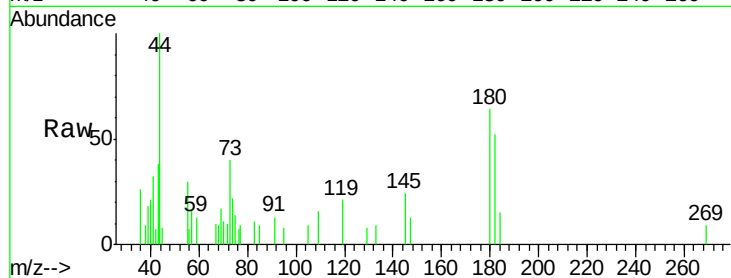




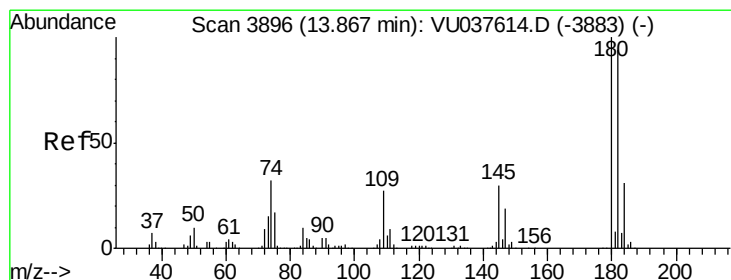
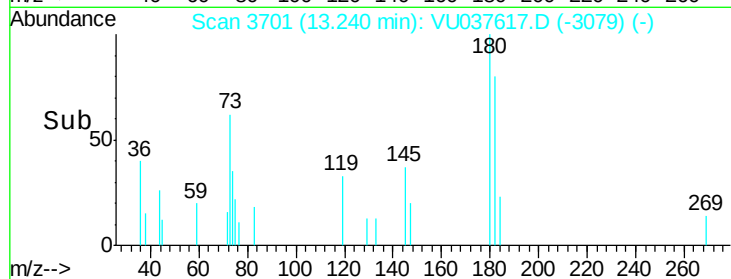
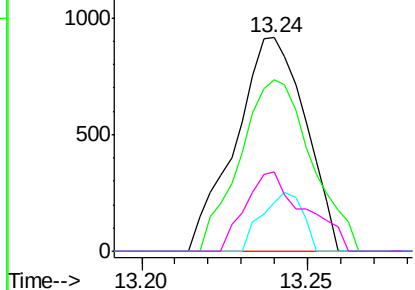
#67
 1,3,5-Trichlorobenzene
 Concen: 27.938 ug/L
 RT: 13.24 min Scan# 3701
 Delta R.T. 0.00 min
 Lab File: VU037617.D
 Acq: 09 Apr 2020 14:58

Instrument :
 MSVOA_U
 ClientSampled :
 BFS80

Tot Ion:180 Resp: 1342
 Ion Ratio Lower Upper
 180 100
 182 82.4 76.2 114.4
 184 16.0 24.7 37.1#
 145 31.7 23.8 35.6

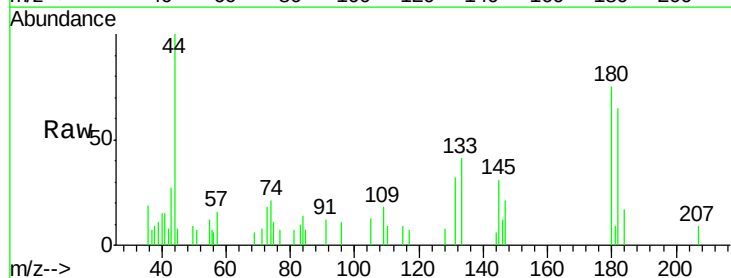


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

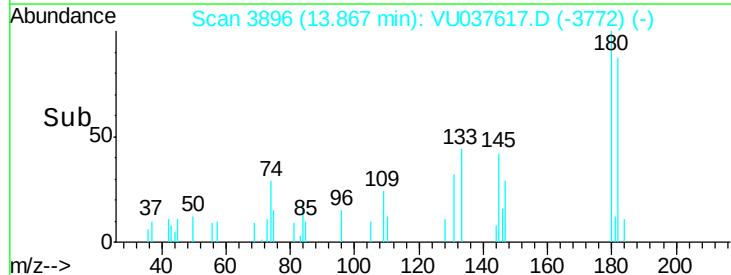
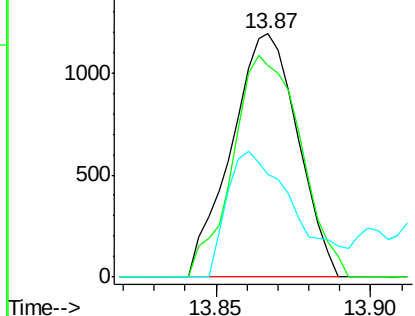


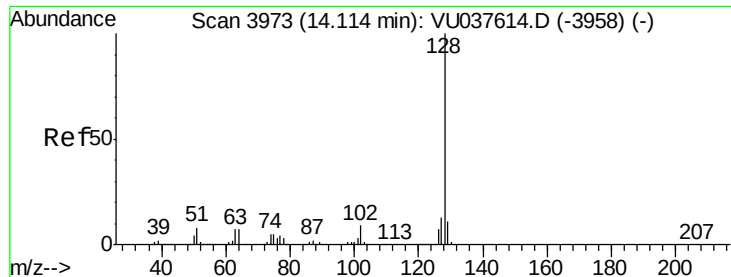
#68
 1,2,4-trichlorobenzene
 Concen: 38.225 ug/L
 RT: 13.87 min Scan# 3896
 Delta R.T. 0.00 min
 Lab File: VU037617.D
 Acq: 09 Apr 2020 14:58

Tgt Ion:180 Resp: 1771
 Ion Ratio Lower Upper
 180 100
 182 93.1 76.5 114.7
 145 48.7 23.8 35.6#



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: 70.722 ug/L

RT: 14.11 min Scan# 3973

Delta R.T. 0.00 min

Lab File: VU037617.D

Acq: 09 Apr 2020 14:58

Instrument :

MSVOA_U

ClientSampleId :

BFS80

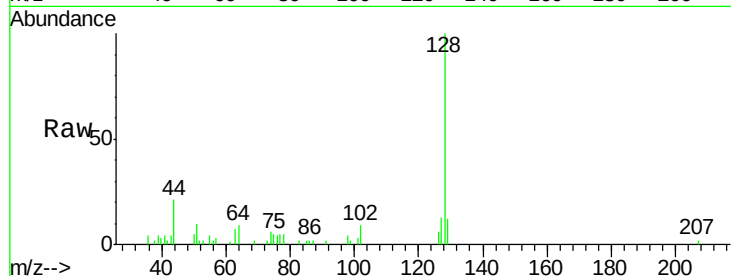
Tot Ion:128 Resp: 12090

Ion Ratio Lower Upper

128 100

127 14.1 10.5 15.7

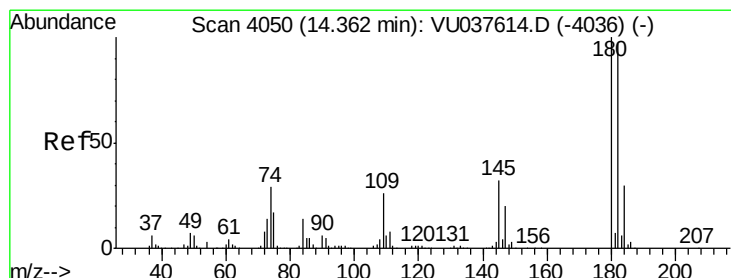
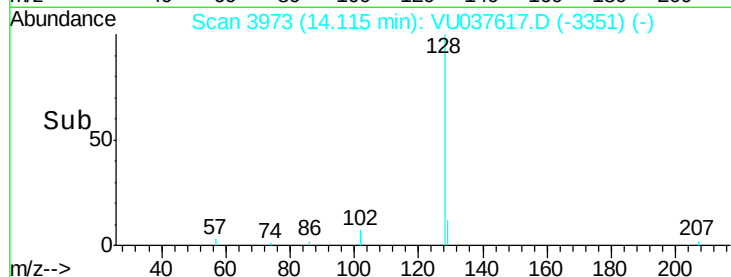
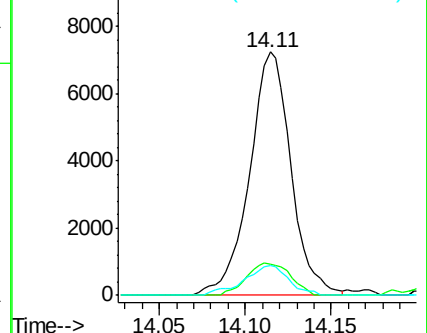
129 12.2 8.6 13.0



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



#70

1,2,3-Trichlorobenzene

Concen: 37.498 ug/L

RT: 14.36 min Scan# 4050

Delta R.T. 0.00 min

Lab File: VU037617.D

Acq: 09 Apr 2020 14:58

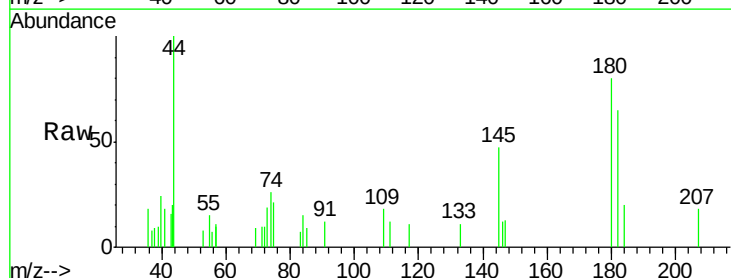
Tgt Ion:180 Resp: 1731

Ion Ratio Lower Upper

180 100

182 94.5 75.6 113.4

145 117.4 25.8 38.8#



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

