

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU040320\
 Data File : VU037559.D
 Acq On : 03 Apr 2020 09:47
 Operator : JC/MD
 Sample : VSTD00536
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00536

Quant Time: Apr 04 02:51:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040320WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Apr 04 02:49:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	135993	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	125162	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	59593	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	6800	6.16	ug/L	0.00
7) Chloroethane-d5	1.93	69	5888	6.64	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.59	63	10883	5.86	ug/L	0.00
21) 2-Butanone-d5	4.67	46	8885	10.70	ug/L	0.00
24) Chloroform-d	5.11	84	10657	5.73	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.74	65	7906	6.40	ug/L	0.00
32) Benzene-d6	5.76	84	21704	5.98	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.73	67	7607	6.23	ug/L	0.00
41) Toluene-d8	7.93	98	20646	6.11	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.20	79	4083	6.16	ug/L	0.00
47) 2-Hexanone-d5	8.66	63	7650	11.83	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.78	84	10023	5.74	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.21	152	7460	6.13	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.40	85	5407	6.150 ug/L	90
3) Chloromethane	1.54	50	5554	5.956 ug/L	99
5) Vinyl chloride	1.62	62	5232	5.650 ug/L	95
6) Bromomethane	1.88	94	2590	5.671 ug/L	94
8) Chloroethane	1.95	64	3132	5.734 ug/L #	78
9) Trichlorofluoromethane	2.16	101	7574	5.765 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	4150	5.538 ug/L	95
12) 1,1-Dichloroethene	2.61	96	3788	5.207 ug/L #	67
13) Acetone	2.66	43	6491	13.527 ug/L	98
14) Carbon disulfide	2.82	76	12310	5.858 ug/L #	93
15) Methyl Acetate	2.98	43	6106	5.616 ug/L	91
16) Methylene chloride	3.08	84	4974	5.637 ug/L	93
17) trans-1,2-Dichloroethene	3.39	96	4755	6.070 ug/L	92
18) Methyl tert-butyl Ether	3.40	73	15657	5.702 ug/L #	95
19) 1,1-Dichloroethane	3.92	63	8879	5.785 ug/L	92
20) cis-1,2-Dichloroethene	4.71	96	5123	5.679 ug/L	94
22) 2-Butanone	4.75	43	9206	11.755 ug/L	93
23) Bromochloromethane	5.02	128	2423	5.596 ug/L #	86
25) Chloroform	5.13	83	9837	6.148 ug/L	96
27) 1,2-Dichloroethane	5.83	62	6975	5.648 ug/L	98
29) Cyclohexane	5.43	56	7549	5.755 ug/L #	84
30) 1,1,1-Trichloroethane	5.36	97	7697	5.801 ug/L	98
31) Carbon tetrachloride	5.56	117	6243	5.717 ug/L	99
33) Benzene	5.81	78	18851	5.748 ug/L	100
34) Trichloroethene	6.57	95	5082	5.926 ug/L	84
35) Methylcyclohexane	6.79	83	7723	5.829 ug/L	99
37) 1,2-Dichloropropane	6.83	63	5438	5.820 ug/L	98
38) Bromodichloromethane	7.14	83	7022	5.778 ug/L #	97
39) cis-1,3-Dichloropropene	7.64	75	8331	5.708 ug/L	92
40) 4-Methyl-2-pentanone	7.82	43	17012	11.219 ug/L	98

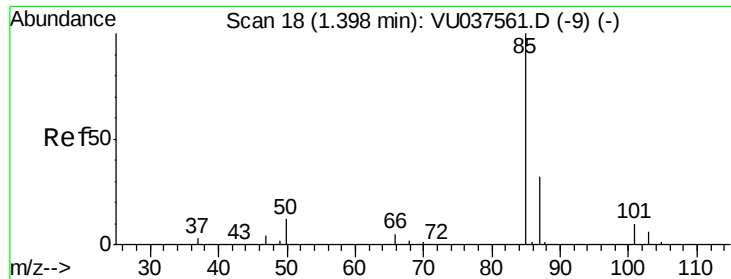
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU040320\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	8.00	91	20754	5.848	ug/L	99
44) trans-1,3-Dichloropropene	8.24	75	8110	5.643	ug/L	94
45) 1,1,2-Trichloroethane	8.42	97	4713	5.524	ug/L	92
46) Tetrachloroethene	8.58	164	3587	6.230	ug/L	88
48) 2-Hexanone	8.71	43	12713	10.781	ug/L	98
49) Dibromochloromethane	8.84	129	5675	5.964	ug/L	92
50) 1,2-Dibromoethane	8.95	107	5255	5.601	ug/L #	97
51) Chlorobenzene	9.47	112	13094	5.948	ug/L	94
52) Ethylbenzene	9.59	91	23389	5.828	ug/L	98
53) m,p-Xylene	9.72	106	9021	6.026	ug/L	93
54) o-xylene	10.12	106	8098	5.612	ug/L	88
55) Styrene	10.13	104	14697	5.753	ug/L	100
56) Isopropylbenzene	10.50	105	22158	5.664	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.80	83	8305	5.400	ug/L #	90
59) 1,2,3-Trichloropropane	10.84	75	6508	5.418	ug/L	100
61) Bromoform	10.31	173	3359	4.931	ug/L #	93
62) 1,3-Dichlorobenzene	11.76	146	9789	5.689	ug/L	98
63) 1,4-Dichlorobenzene	11.85	146	10101	5.816	ug/L	94
65) 1,2-Dichlorobenzene	12.23	146	9818	5.762	ug/L	93
66) 1,2-Dibromo-3-chloropropan	13.02	75	2240	5.481	ug/L	90
67) 1,3,5-Trichlorobenzene	13.25	180	6905	5.781	ug/L	98
68) 1,2,4-trichlorobenzene	13.88	180	6216	5.459	ug/L	94
69) Naphthalene	14.12	128	30737	6.372	ug/L	99
70) 1,2,3-Trichlorobenzene	14.37	180	6045	5.255	ug/L	95

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



#2

Dichlorodifluoromethane

Concen: 6.150 ug/L

RT: 1.40 min Scan# 18

Delta R.T. 0.00 min

Lab File: VU037559.D

Acq: 03 Apr 2020 09:47

Instrument :

MSVOA_U

ClientSampleId :

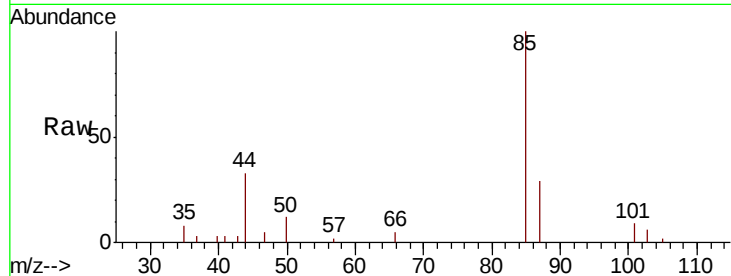
VSTD00536

Tot Ion: 85 Resp: 5407

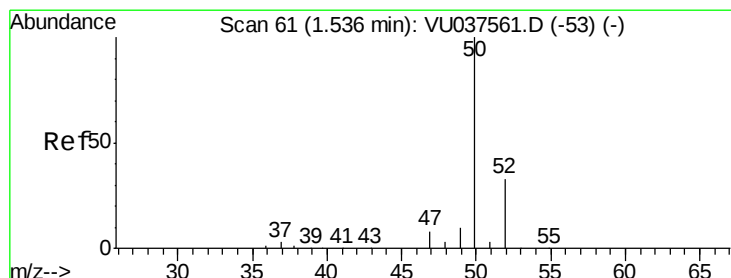
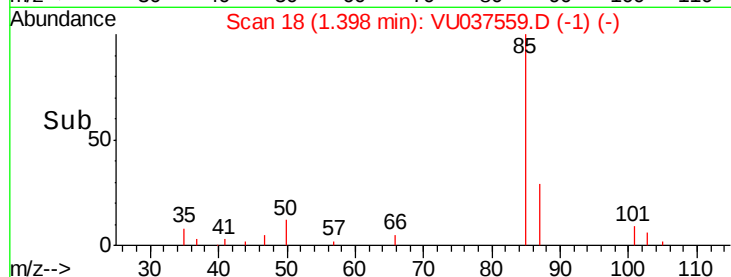
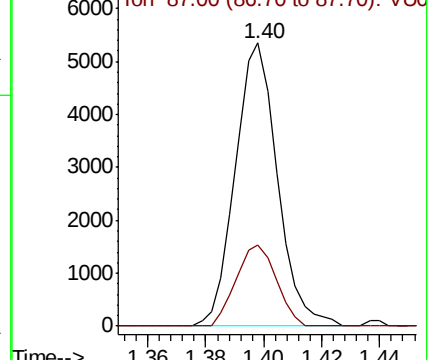
Ion Ratio Lower Upper

85 100

87 27.2 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VU037559.D (-1) (-)



#3

Chloromethane

Concen: 5.956 ug/L

RT: 1.54 min Scan# 61

Delta R.T. 0.00 min

Lab File: VU037559.D

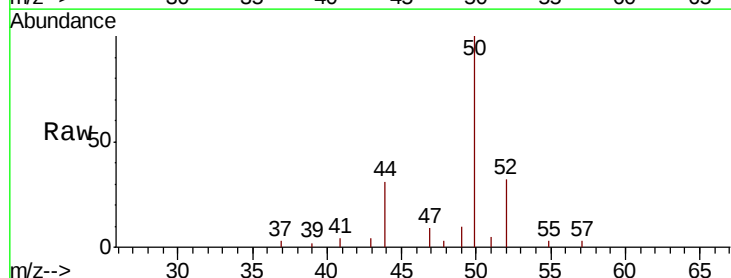
Acq: 03 Apr 2020 09:47

Tgt Ion: 50 Resp: 5554

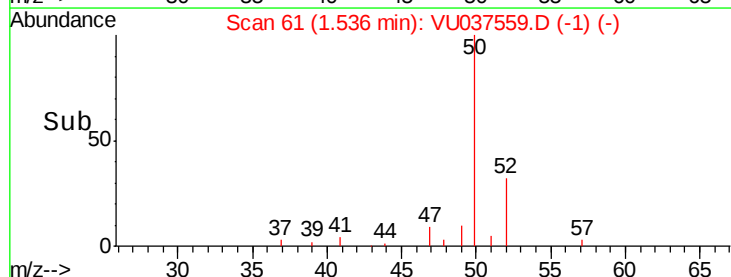
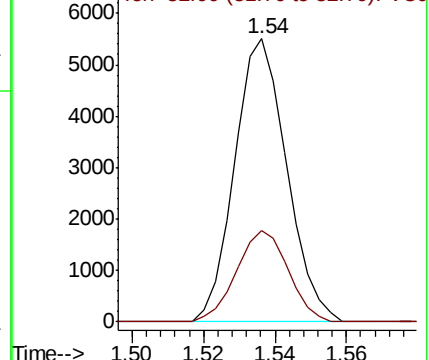
Ion Ratio Lower Upper

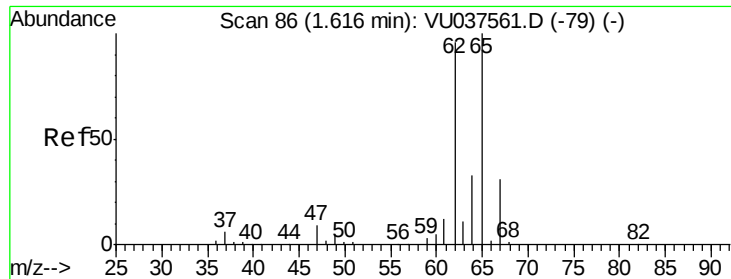
50 100

52 32.4 23.3 43.3



Abundance Ion 50.00 (49.70 to 50.70): VU037559.D (-1) (-)





#5

Vinyl chloride

Concen: 5.650 ug/L

RT: 1.62 min Scan# 87

Delta R.T. 0.00 min

Lab File: VU037559.D

Acq: 03 Apr 2020 09:47

Instrument :

MSVOA_U

ClientSampleId :

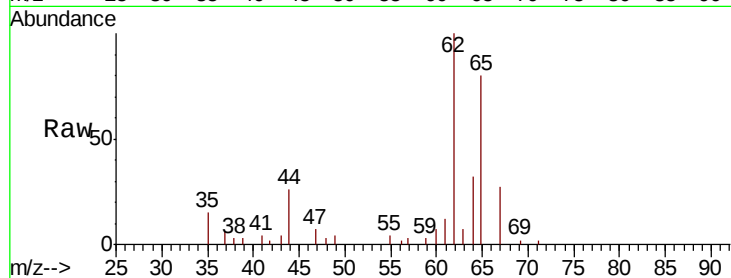
VSTD00536

Tot Ion: 62 Resp: 5232

Ion Ratio Lower Upper

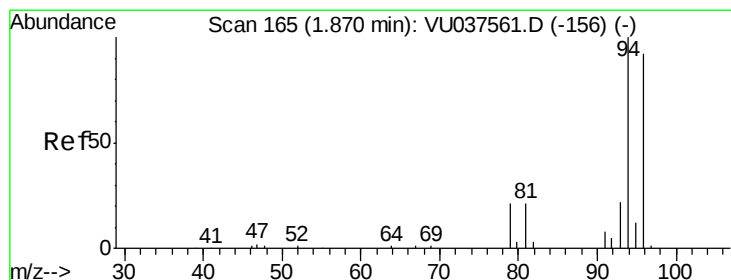
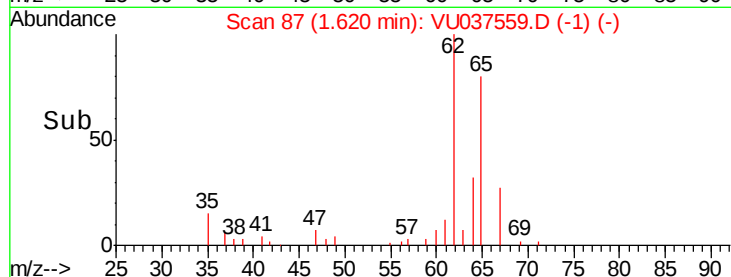
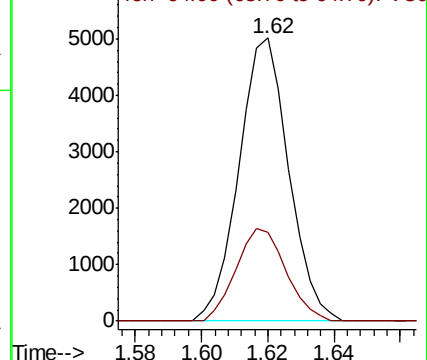
62 100

64 31.6 24.0 44.6



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0



#6

Bromomethane

Concen: 5.671 ug/L

RT: 1.88 min Scan# 167

Delta R.T. 0.01 min

Lab File: VU037559.D

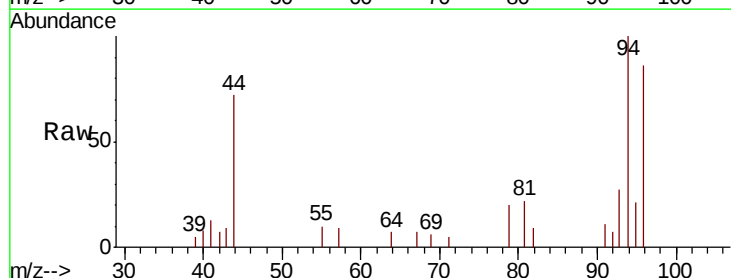
Acq: 03 Apr 2020 09:47

Tgt Ion: 94 Resp: 2590

Ion Ratio Lower Upper

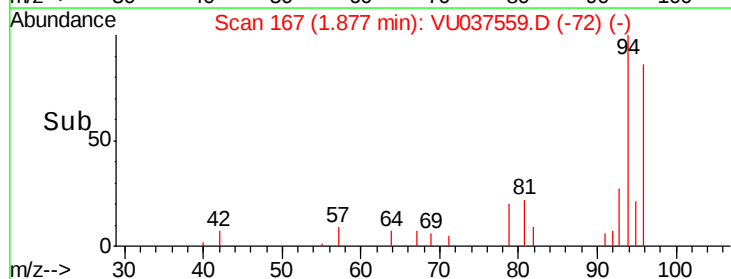
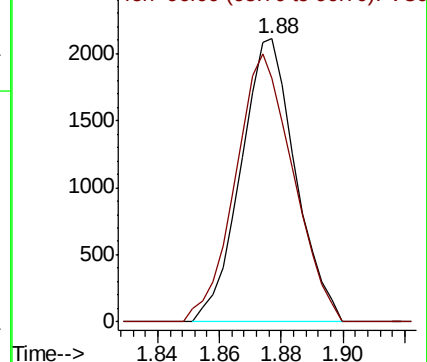
94 100

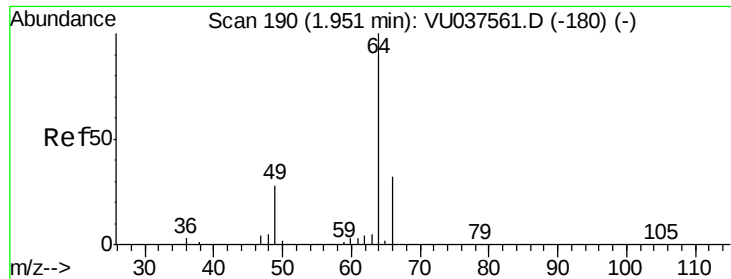
96 86.3 64.4 119.6



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 5.734 ug/L

RT: 1.95 min Scan# 191

Delta R.T. 0.00 min

Lab File: VU037559.D

Acq: 03 Apr 2020 09:47

Instrument :

MSVOA_U

ClientSampleId :

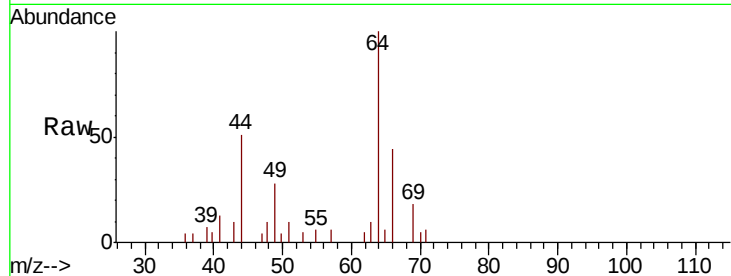
VSTD00536

Tot Ion: 64 Resp: 3132

Ion Ratio Lower Upper

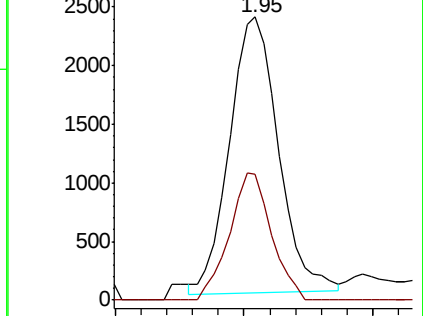
64 100

66 44.3 22.3 41.3#

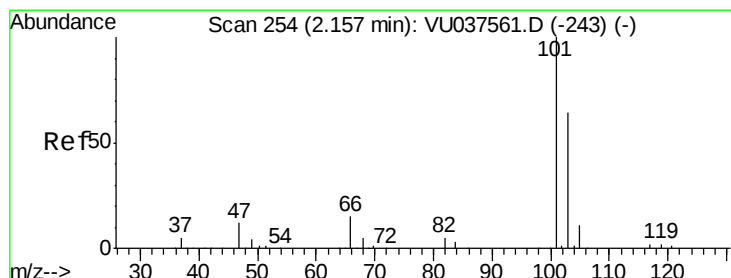
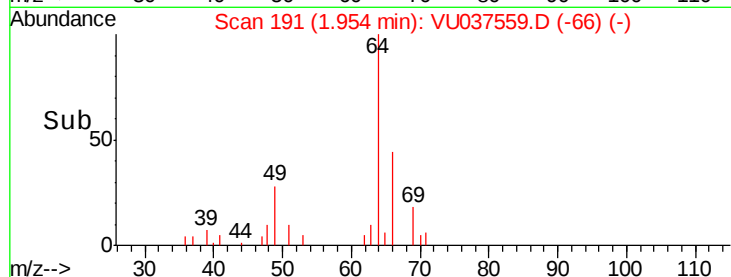


Abundance Ion 64.00 (63.70 to 64.70): VU037561.D (-180) (-)

Ion 66.00 (65.70 to 66.70): VU037561.D (-180) (-)



Time-->



#9

Trichlorofluoromethane

Concen: 5.765 ug/L

RT: 2.16 min Scan# 255

Delta R.T. 0.00 min

Lab File: VU037559.D

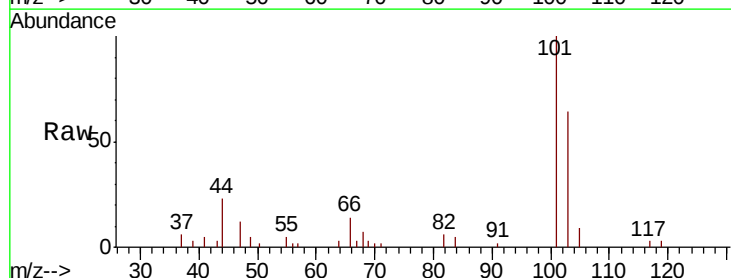
Acq: 03 Apr 2020 09:47

Tgt Ion:101 Resp: 7574

Ion Ratio Lower Upper

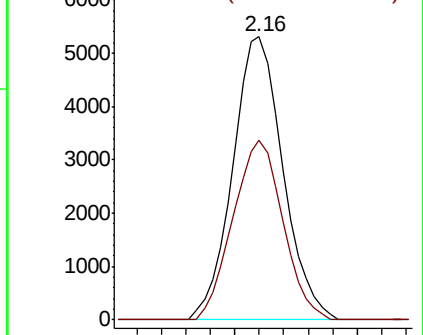
101 100

103 63.2 51.2 76.8

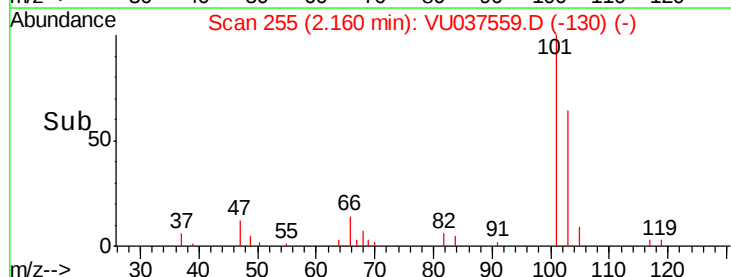


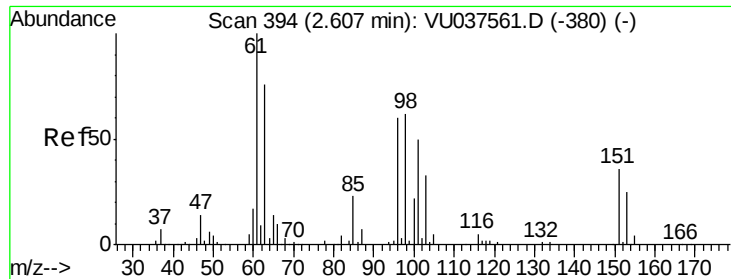
Abundance Ion 101.00 (100.70 to 101.70): VU037561.D (-243) (-)

Ion 103.00 (102.70 to 103.70): VU037561.D (-243) (-)



Time-->





#10

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

Concen: 5.538 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU037559.D

Acq: 03 Apr 2020 09:47

Instrument :

MSVOA_U

ClientSampleId :

VSTD00536

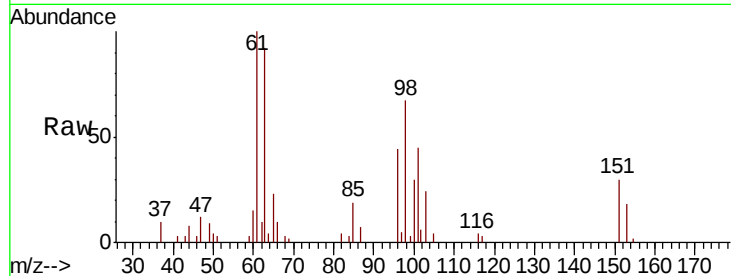
Tot Ion:101 Resp: 4150

Ion Ratio Lower Upper

101 100

85 47.4 35.4 53.2

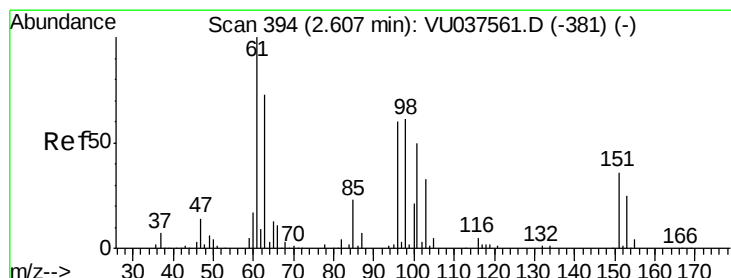
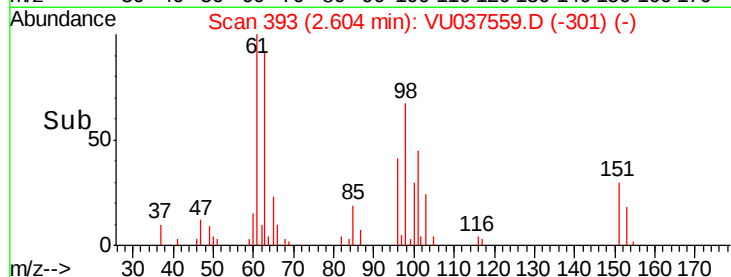
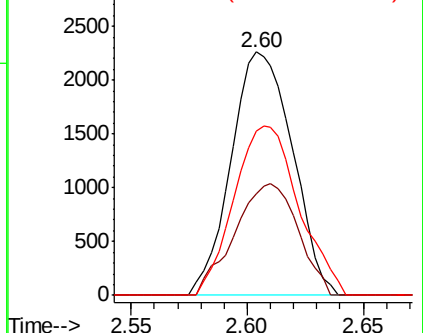
151 73.4 55.3 82.9



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: 5.207 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU037559.D

Acq: 03 Apr 2020 09:47

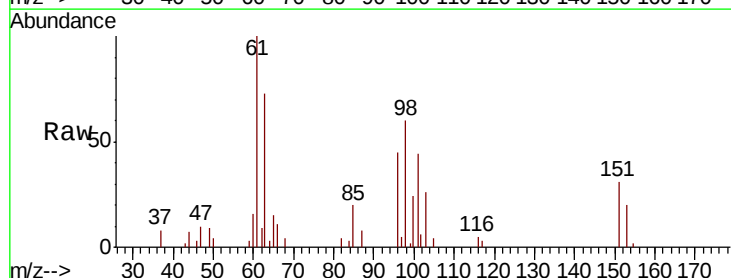
Tgt Ion: 96 Resp: 3788

Ion Ratio Lower Upper

96 100

61 220.7 117.2 217.8#

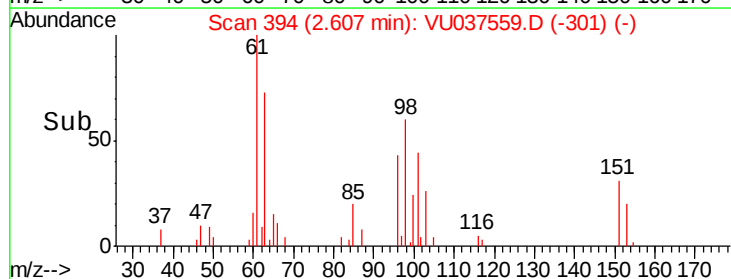
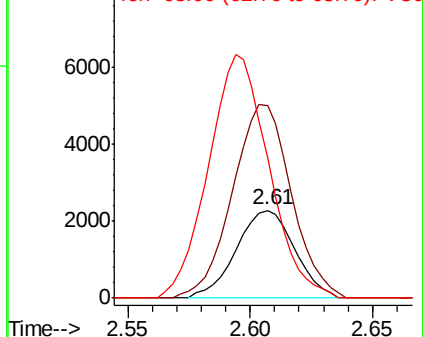
63 160.1 90.9 168.9

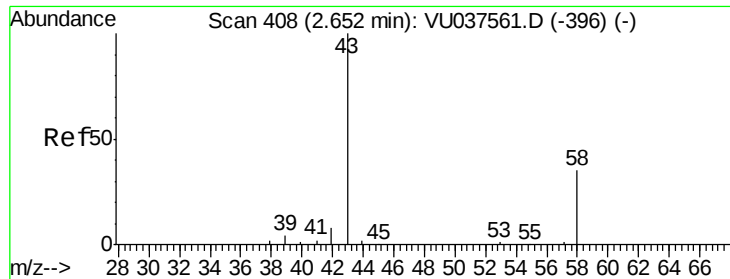


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 13.527 ug/L

RT: 2.66 min Scan# 409

Delta R.T. 0.00 min

Lab File: VU037559.D

Acq: 03 Apr 2020 09:47

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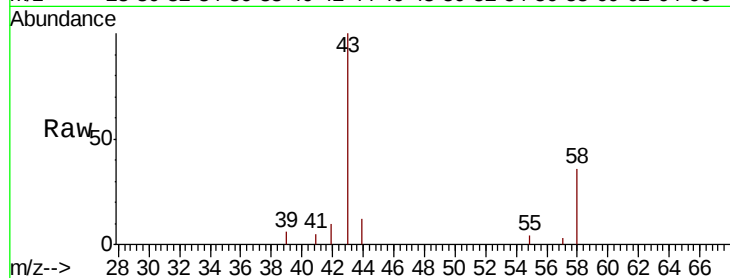
VSTD00536

Tot Ion: 43 Resp: 6491

Ion Ratio Lower Upper

43 100

58 33.3 0.0 68.8



Abundance Ion 43.00 (42.70 to 43.70): VU037561.D (-396) (-)

Ion 58.00 (57.70 to 58.70): VU037561.D (-396) (-)

2.66

4000

3000

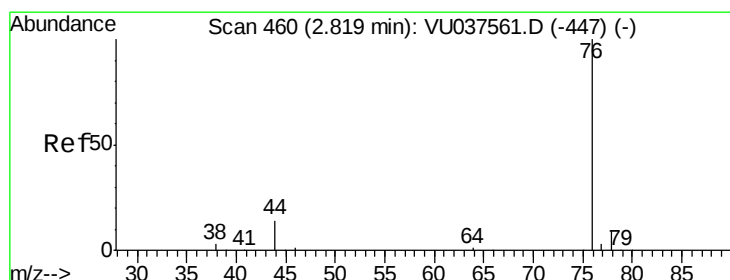
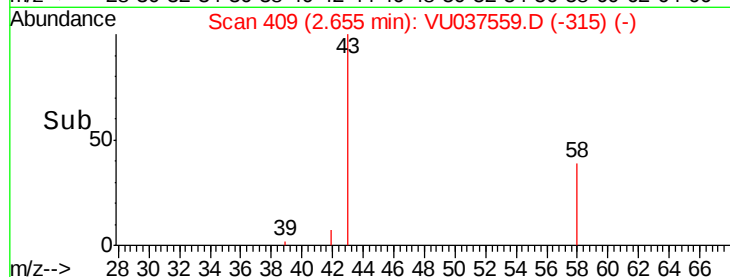
2000

1000

0

2.60 2.65 2.70

Time-->



#14

Carbon disulfide

Concen: 5.858 ug/L

RT: 2.82 min Scan# 460

Delta R.T. 0.00 min

Lab File: VU037559.D

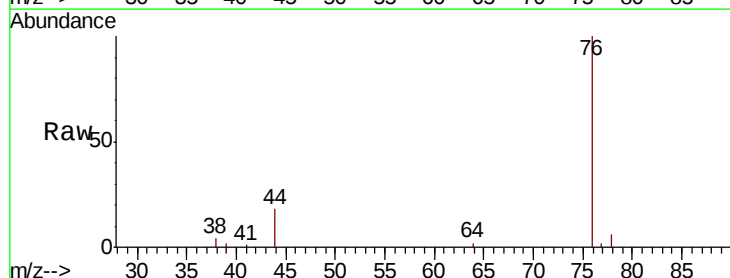
Acq: 03 Apr 2020 09:47

Tgt Ion: 76 Resp: 12310

Ion Ratio Lower Upper

76 100

78 6.4 7.1 10.7#



Abundance Ion 76.00 (75.70 to 76.70): VU037561.D (-447) (-)

Ion 78.00 (77.70 to 78.70): VU037561.D (-447) (-)

2.82

8000

6000

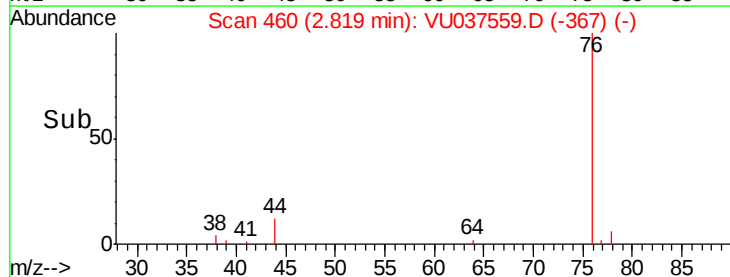
4000

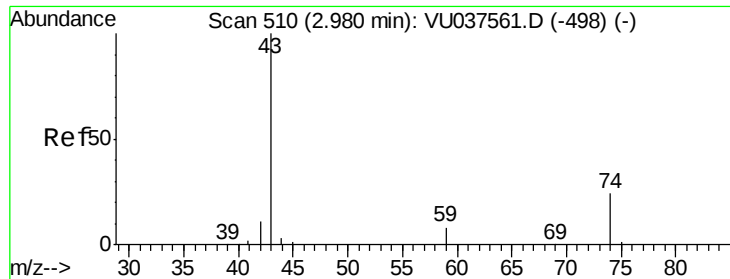
2000

0

2.80 2.85

Time-->

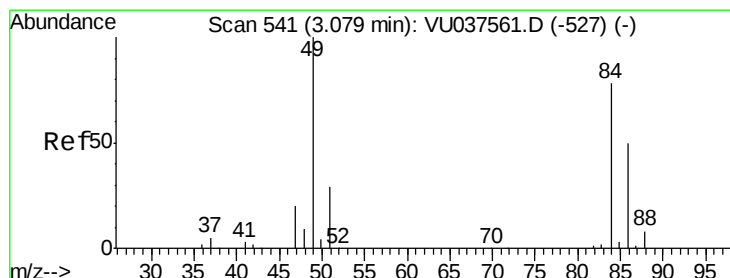
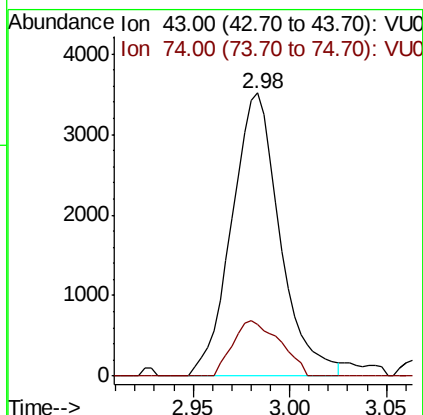
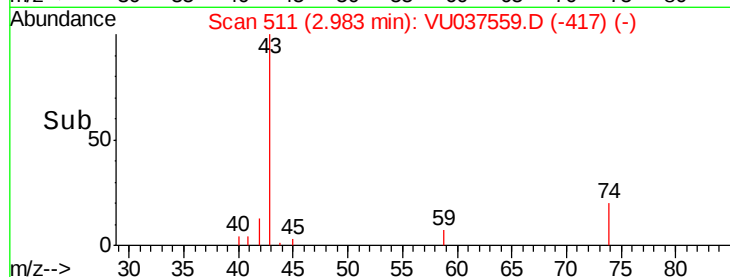
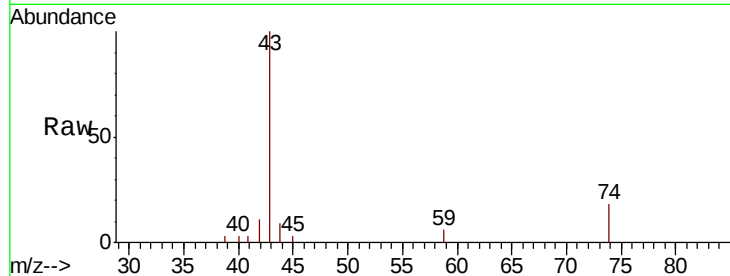




#15
Methvl Acetate
Concen: 5.616 ug/L
RT: 2.98 min Scan# 511
Delta R.T. 0.00 min
Lab File: VU037559.D
Acq: 03 Apr 2020 09:47

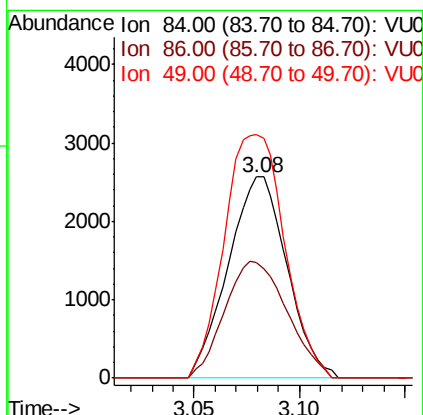
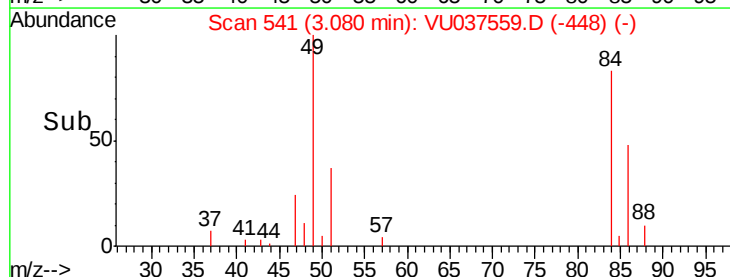
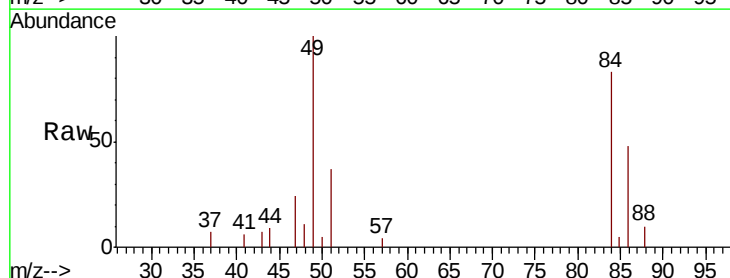
Instrument :
MSVOA_U
ClientSampleId :
VSTD00536

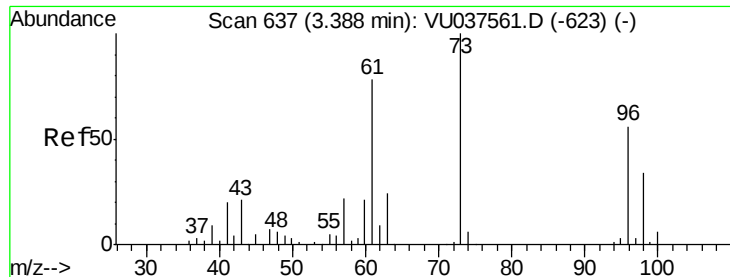
Tot Ion: 43 Resp: 6106
Ion Ratio Lower Upper
43 100
74 19.0 18.8 28.2



#16
Methylene chloride
Concen: 5.637 ug/L
RT: 3.08 min Scan# 541
Delta R.T. 0.00 min
Lab File: VU037559.D
Acq: 03 Apr 2020 09:47

Tgt Ion: 84 Resp: 4974
Ion Ratio Lower Upper
84 100
86 57.5 44.8 83.2
49 121.0 89.7 166.5





#17

trans-1,2-Dichloroethene

Concen: 6.070 ug/L

RT: 3.39 min Scan# 637

Delta R.T. 0.00 min

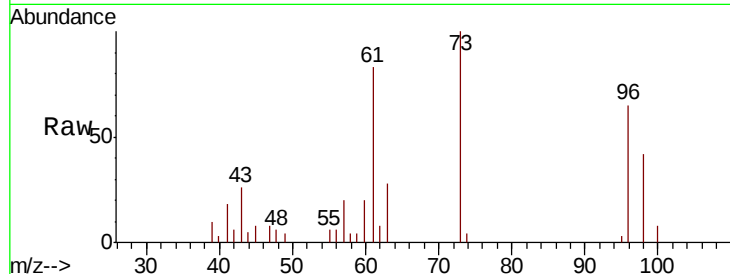
Lab File: VU037559.D

Acq: 03 Apr 2020 09:47

Instrument :
MSVOA_U
ClientSampleId :
VSTD00536

Tot Ion: 96 Resp: 4755

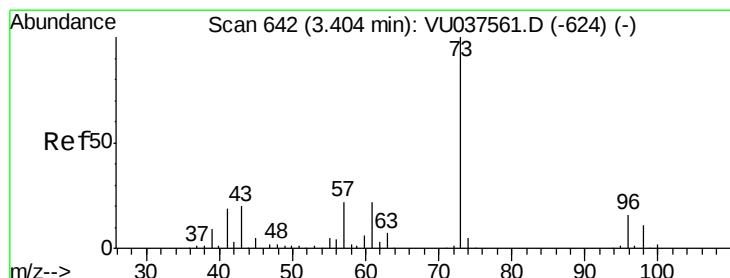
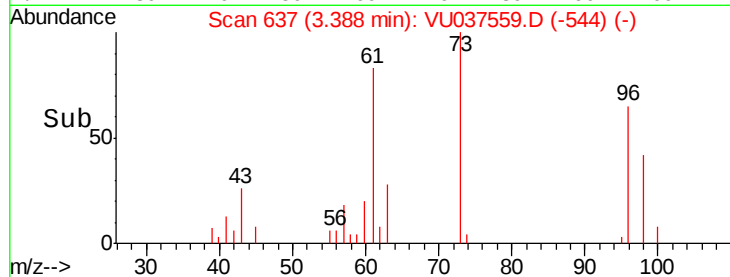
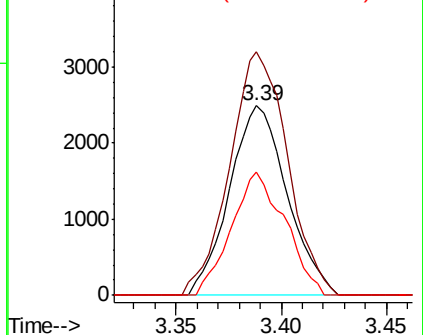
Ion	Ratio	Lower	Upper
96	100		
61	128.3	97.3	180.7
98	64.7	42.7	79.3



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 98.00 (97.70 to 98.70): VU0



#18

Methyl tert-butyl Ether

Concen: 5.702 ug/L

RT: 3.40 min Scan# 642

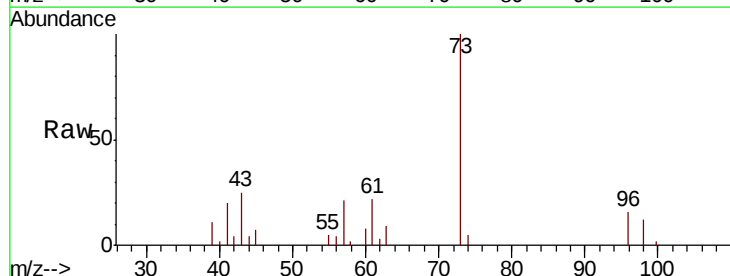
Delta R.T. 0.00 min

Lab File: VU037559.D

Acq: 03 Apr 2020 09:47

Tgt Ion: 73 Resp: 15657

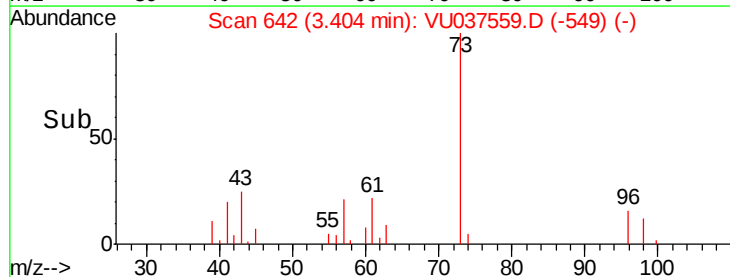
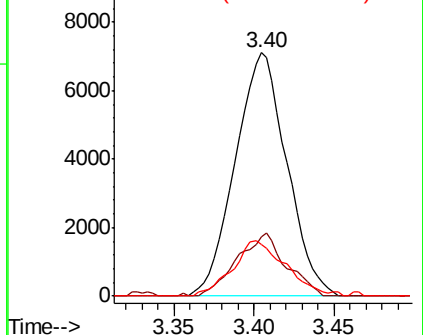
Ion	Ratio	Lower	Upper
73	100		
43	24.6	16.4	24.6#
57	23.2	17.7	26.5

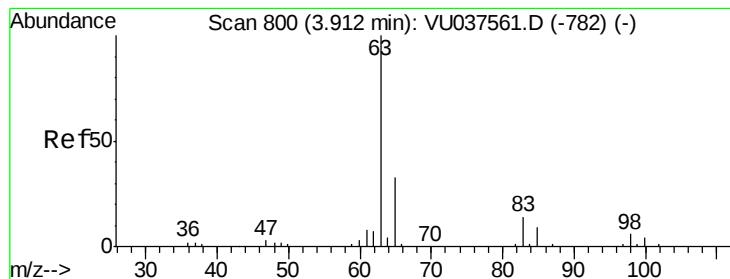


Abundance Ion 73.00 (72.70 to 73.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 57.00 (56.70 to 57.70): VU0





#19

1,1-Dichloroethane

Concen: 5.785 ug/L

RT: 3.92 min Scan# 801

Delta R.T. 0.00 min

Lab File: VU037559.D

Acq: 03 Apr 2020 09:47

Instrument :

MSVOA_U

ClientSampleId :

VSTD00536

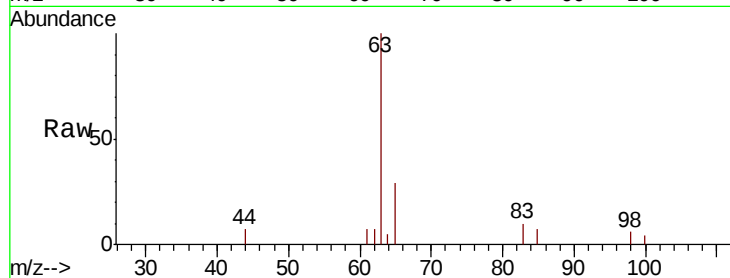
Tot Ion: 63 Resp: 8879

Ion Ratio Lower Upper

63 100

65 29.0 23.2 43.2

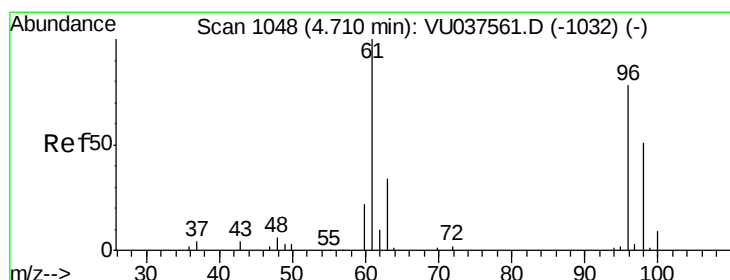
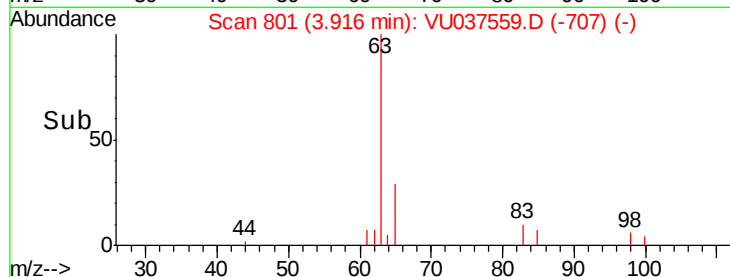
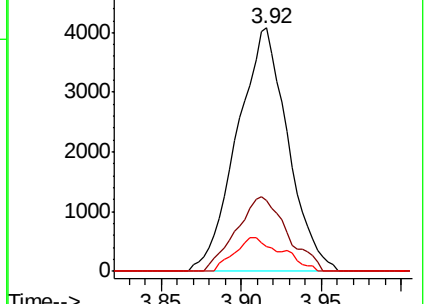
83 10.4 9.6 17.8



Abundance Ion 63.00 (62.70 to 63.70): VU037561.D (-782) (-)

Ion 65.00 (64.70 to 65.70): VU037561.D (-782) (-)

Ion 83.00 (82.70 to 83.70): VU037561.D (-782) (-)



#20

cis-1,2-Dichloroethene

Concen: 5.679 ug/L

RT: 4.71 min Scan# 1049

Delta R.T. 0.00 min

Lab File: VU037559.D

Acq: 03 Apr 2020 09:47

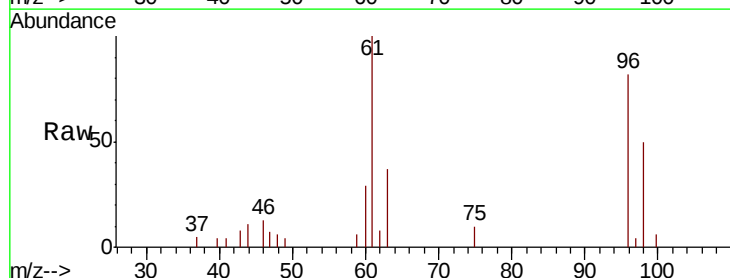
Tgt Ion: 96 Resp: 5123

Ion Ratio Lower Upper

96 100

61 121.7 90.2 167.6

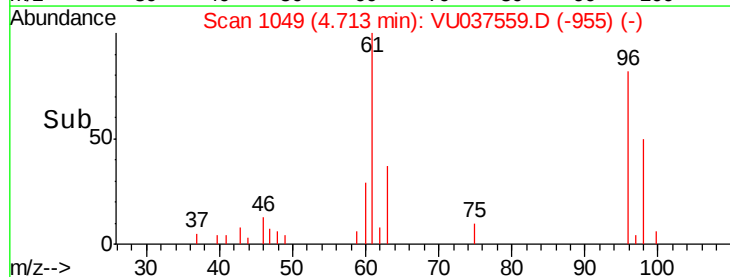
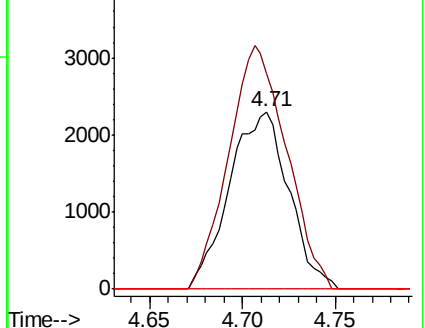
68 0.0 0.0 0.0

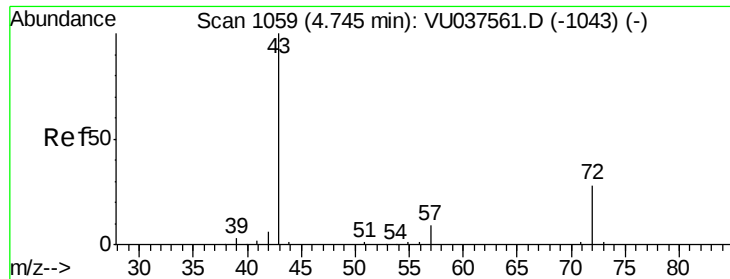


Abundance Ion 96.00 (95.70 to 96.70): VU037561.D (-1032) (-)

Ion 61.00 (60.70 to 61.70): VU037561.D (-1032) (-)

Ion 68.00 (67.70 to 68.70): VU037561.D (-1032) (-)





#22

2-Butanone

Concen: 11.755 ug/L

RT: 4.75 min Scan# 1062

Delta R.T. 0.01 min

Lab File: VU037559.D

Acq: 03 Apr 2020 09:47

Instrument :

MSVOA_U

ClientSampleId :

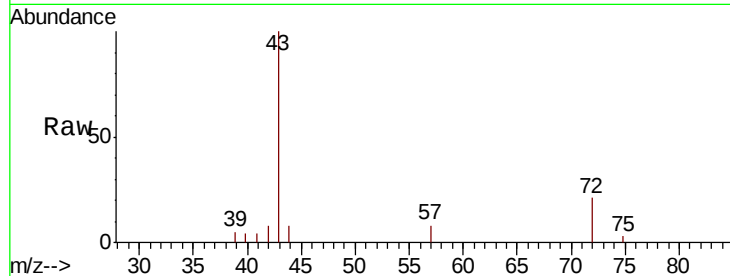
VSTD00536

Tot Ion: 43 Resp: 9206

Ion Ratio Lower Upper

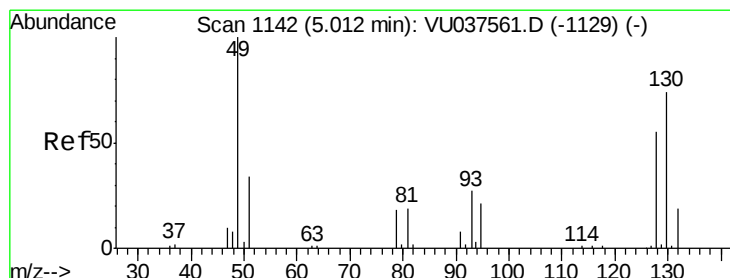
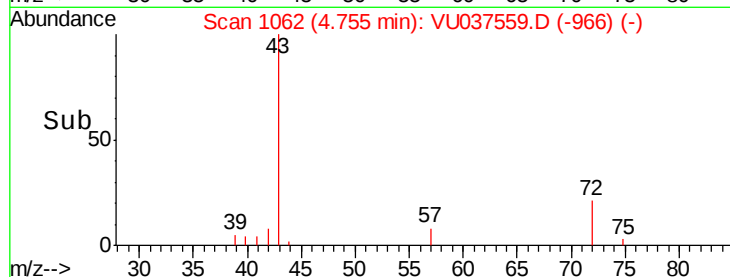
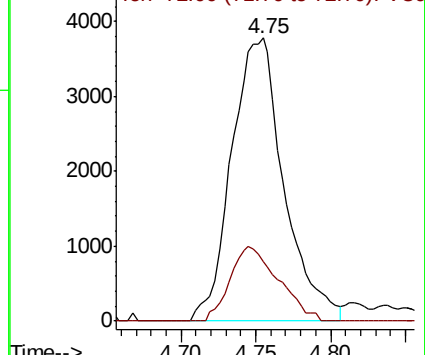
43 100

72 24.1 13.8 41.4



Abundance Ion 43.00 (42.70 to 43.70): VU037559.D (-966) (-)

Ion 72.00 (71.70 to 72.70): VU037559.D (-966) (-)



#23

Bromochloromethane

Concen: 5.596 ug/L

RT: 5.02 min Scan# 1145

Delta R.T. 0.01 min

Lab File: VU037559.D

Acq: 03 Apr 2020 09:47

Tgt Ion: 128 Resp: 2423

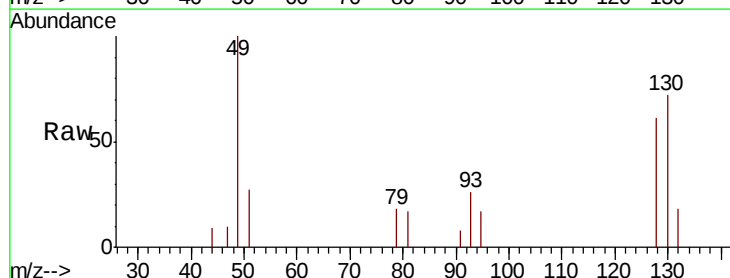
Ion Ratio Lower Upper

128 100

49 164.5 127.3 236.5

130 118.2 93.9 174.5

51 44.0 49.4 74.0#

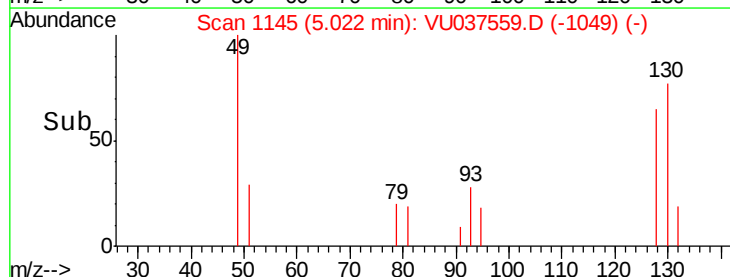
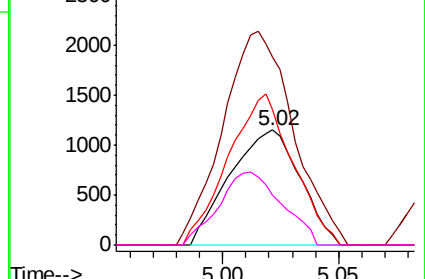


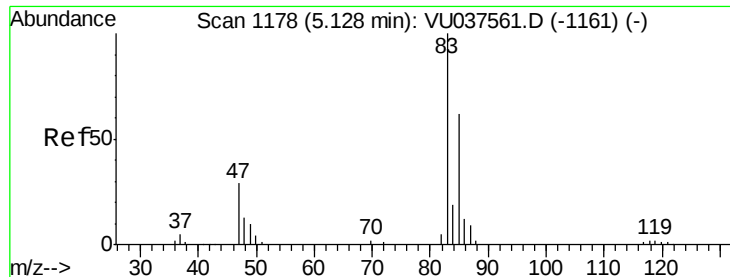
Abundance Ion 128.00 (127.70 to 128.70): VU037559.D (-1049) (-)

Ion 49.00 (48.70 to 49.70): VU037559.D (-1049) (-)

Ion 130.00 (129.70 to 130.70): VU037559.D (-1049) (-)

Ion 51.00 (50.70 to 51.70): VU037559.D (-1049) (-)

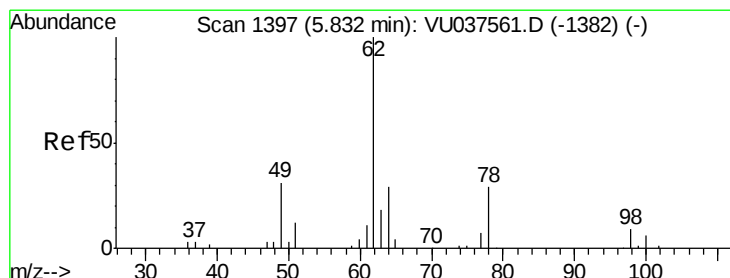
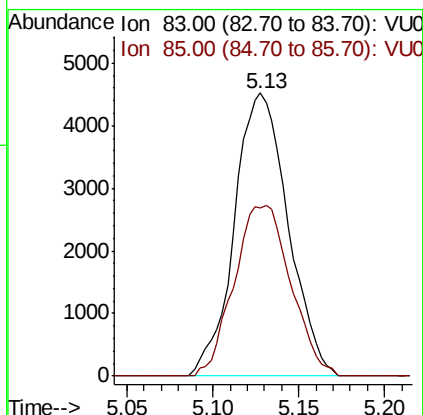
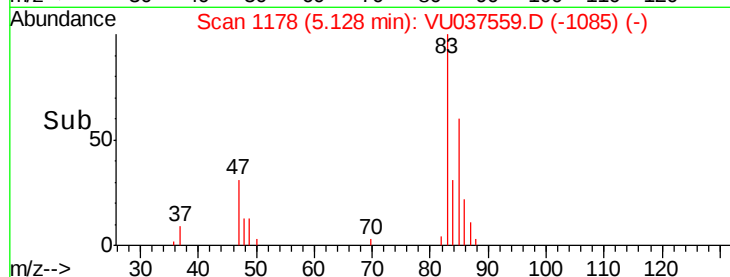
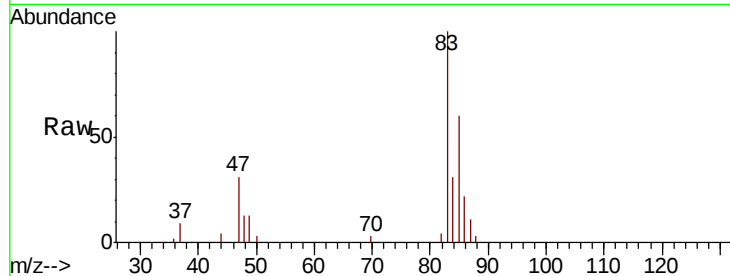




#25
Chloroform
Concen: 6.148 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. 0.00 min
Lab File: VU037559.D
Acq: 03 Apr 2020 09:47

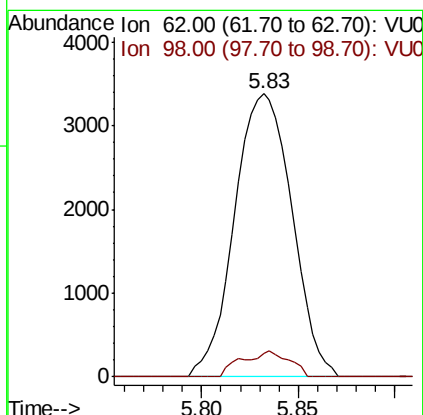
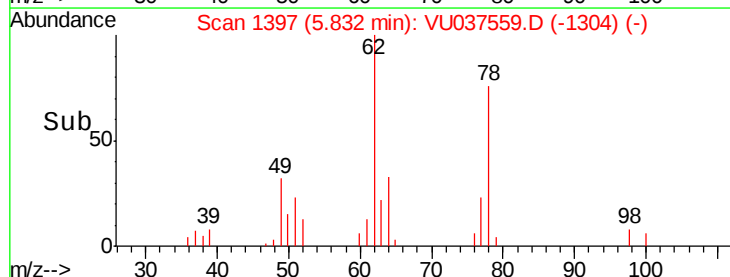
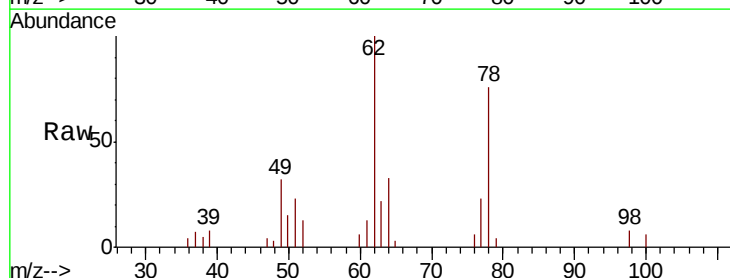
Instrument :
MSVOA_U
ClientSampleId :
VSTD00536

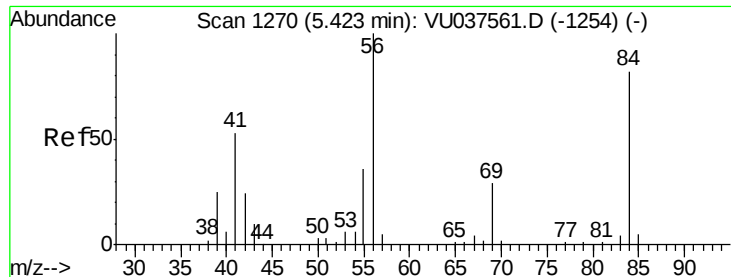
Tot Ion: 83 Resp: 9837
Ion Ratio Lower Upper
83 100
85 59.6 43.7 81.1



#27
1,2-Dichloroethane
Concen: 5.648 ug/L
RT: 5.83 min Scan# 1397
Delta R.T. 0.00 min
Lab File: VU037559.D
Acq: 03 Apr 2020 09:47

Tgt Ion: 62 Resp: 6975
Ion Ratio Lower Upper
62 100
98 8.3 7.1 10.7

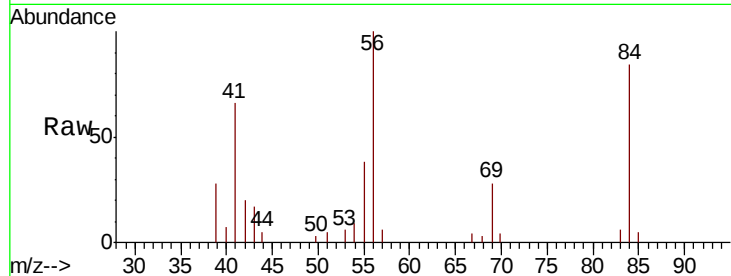




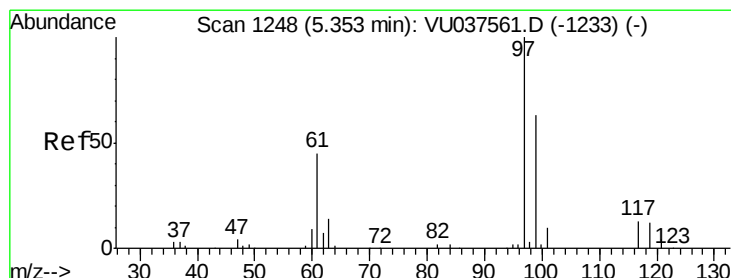
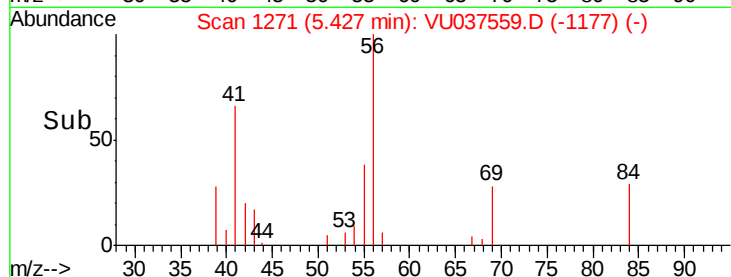
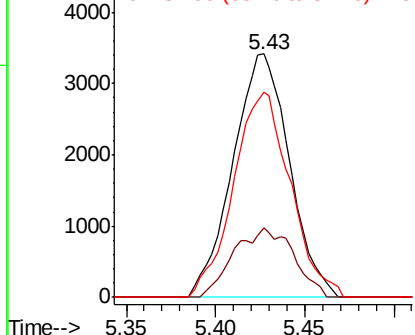
#29
Cyclohexane
Concen: 5.755 ug/L
RT: 5.43 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VU037559.D
Acq: 03 Apr 2020 09:47

Instrument :
MSVOA_U
ClientSampleId :
VSTD00536

Tot Ion: 56 Resp: 7549
Ion Ratio Lower Upper
56 100
69 2.3 23.8 35.6#
84 85.0 65.4 98.0

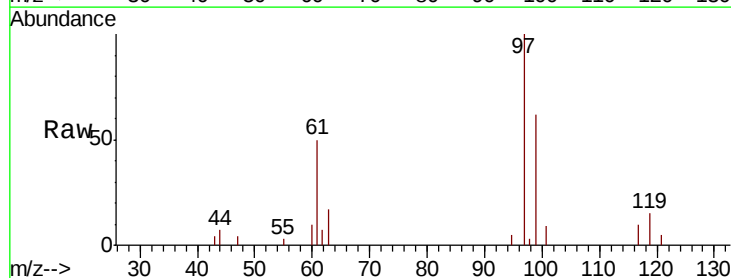


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

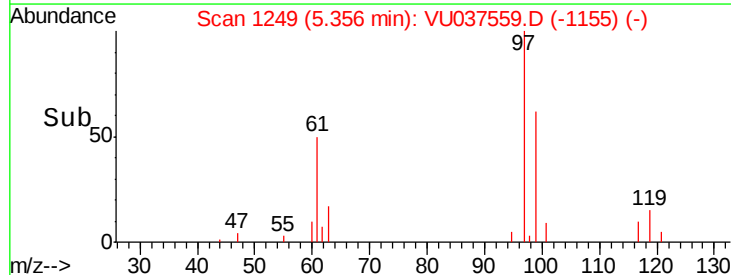
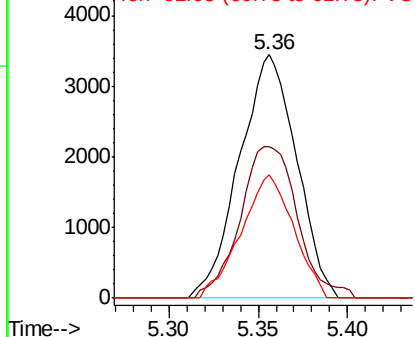


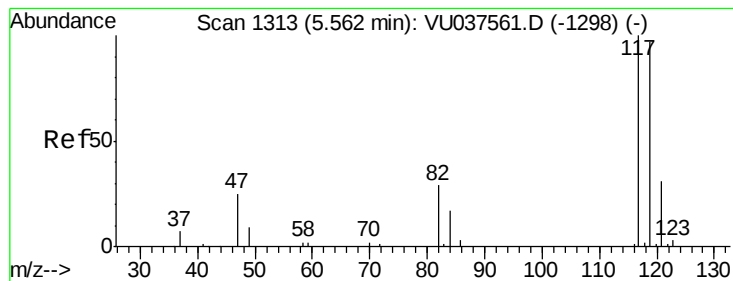
#30
1,1,1-Trichloroethane
Concen: 5.801 ug/L
RT: 5.36 min Scan# 1249
Delta R.T. 0.00 min
Lab File: VU037559.D
Acq: 03 Apr 2020 09:47

Tgt Ion: 97 Resp: 7697
Ion Ratio Lower Upper
97 100
99 62.6 50.6 75.8
61 46.5 35.8 53.8



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: 5.717 ug/L

RT: 5.56 min Scan# 1313

Delta R.T. 0.00 min

Lab File: VU037559.D

Acq: 03 Apr 2020 09:47

Instrument :

MSVOA_U

ClientSampleId :

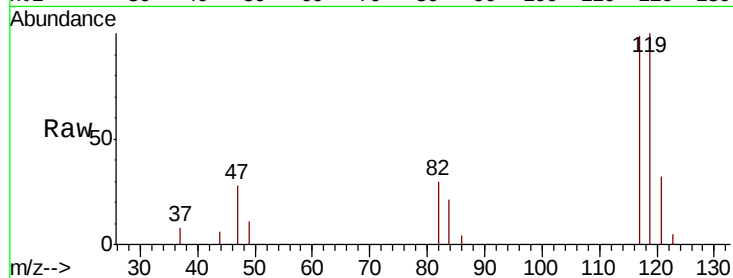
VSTD00536

Tot Ion:117 Resp: 6243

Ion Ratio Lower Upper

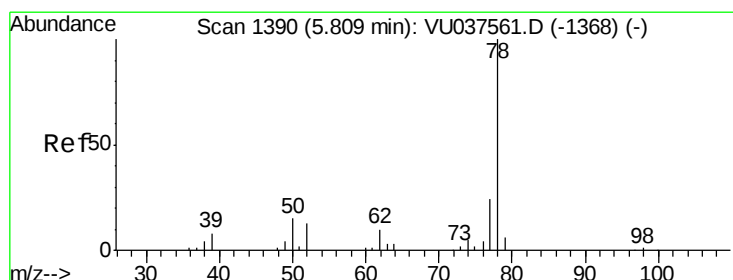
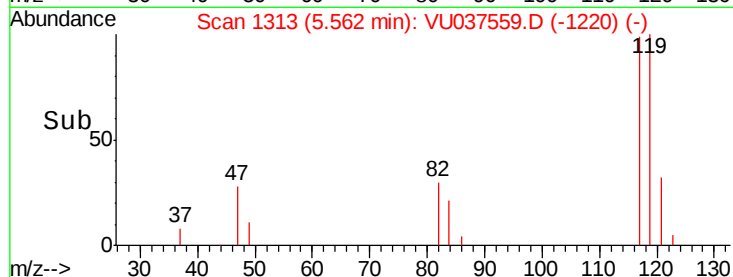
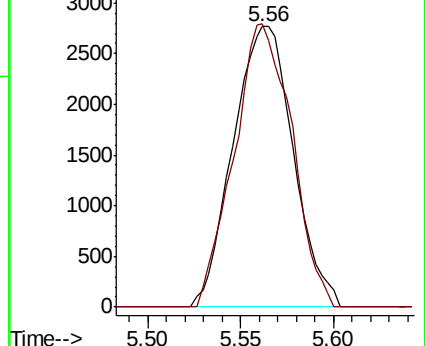
117 100

119 96.8 77.8 116.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 5.748 ug/L

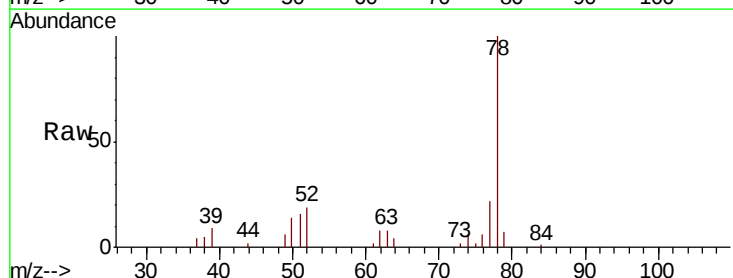
RT: 5.81 min Scan# 1390

Delta R.T. 0.00 min

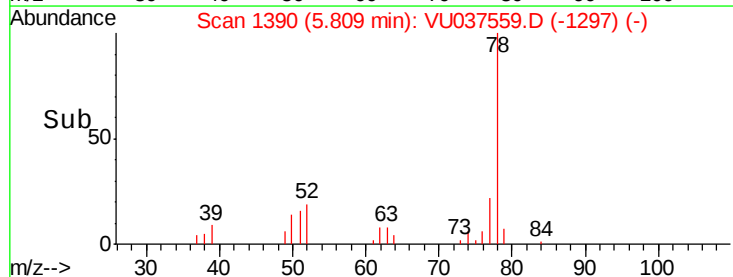
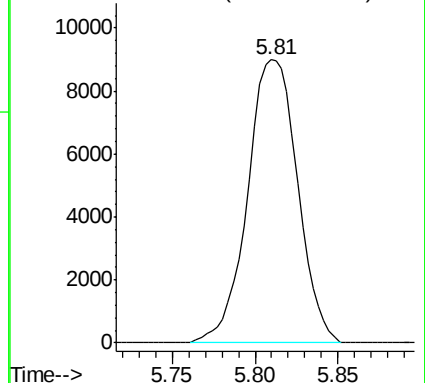
Lab File: VU037559.D

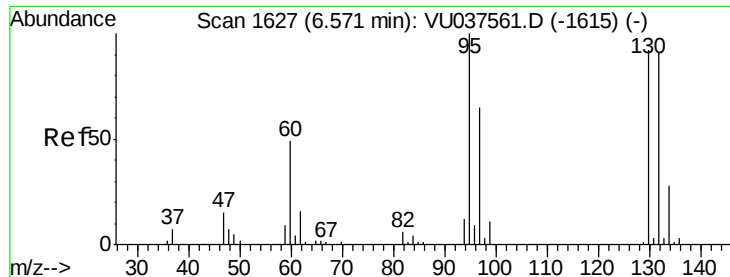
Acq: 03 Apr 2020 09:47

Tgt Ion: 78 Resp: 18851



Abundance Ion 78.00 (77.70 to 78.70): VU0





#34

Trichloroethene

Concen: 5.926 ug/L

RT: 6.57 min Scan# 1628

Delta R.T. 0.00 min

Lab File: VU037559.D

Acq: 03 Apr 2020 09:47

Instrument :

MSVOA_U

ClientSampleId :

VSTD00536

Tot Ion: 95 Resp: 5082

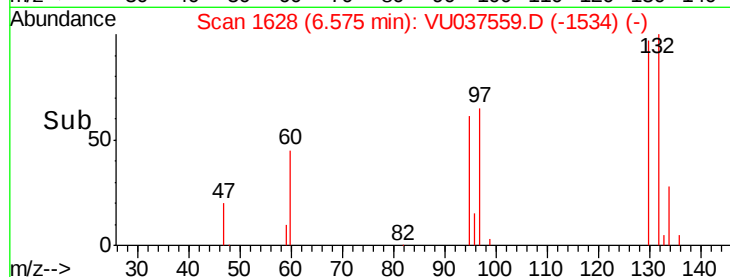
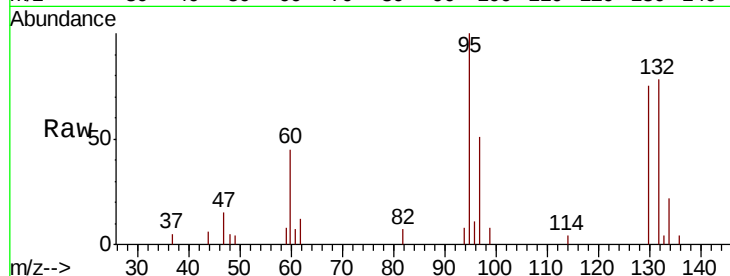
Ion Ratio Lower Upper

95 100

97 50.8 45.2 84.0

132 77.6 63.7 118.3

130 75.2 64.5 119.7

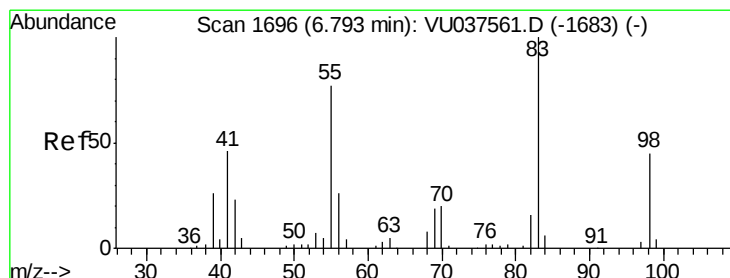
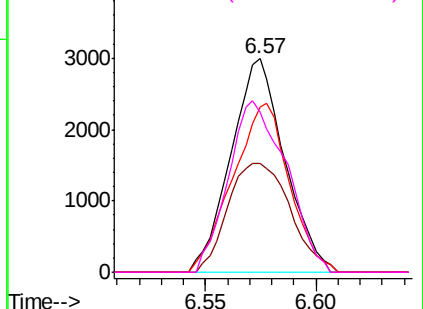


Abundance Ion 95.00 (94.70 to 95.70): VU0

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

Methylcyclohexane

Concen: 5.829 ug/L

RT: 6.79 min Scan# 1696

Delta R.T. 0.00 min

Lab File: VU037559.D

Acq: 03 Apr 2020 09:47

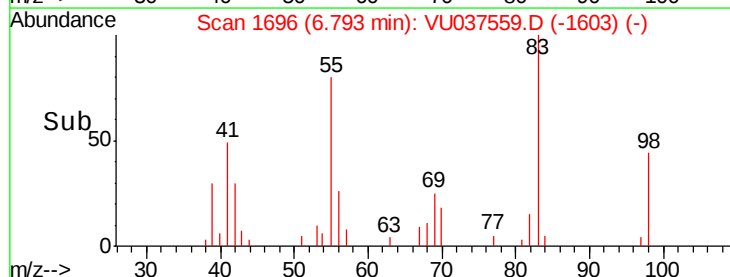
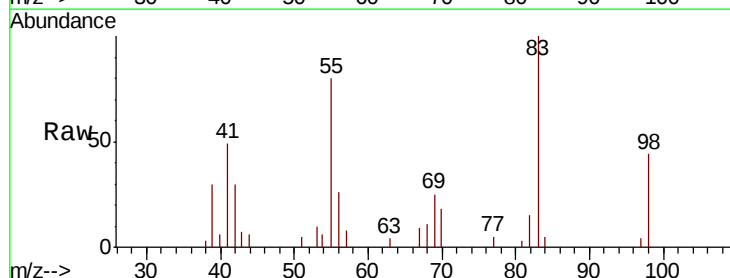
Tgt Ion: 83 Resp: 7723

Ion Ratio Lower Upper

83 100

55 78.0 61.1 91.7

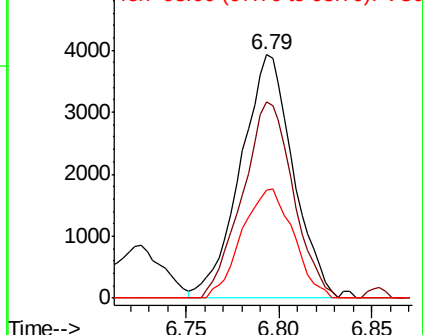
98 43.9 35.3 52.9

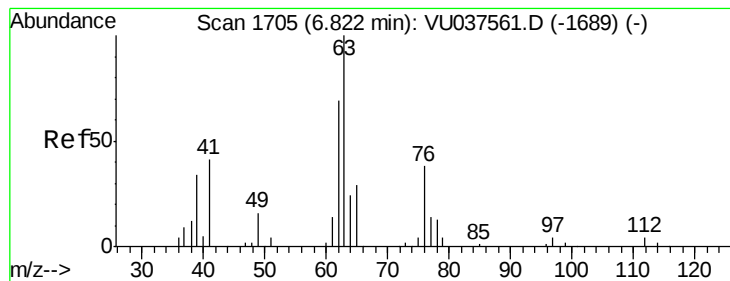


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#37

1,2-Dichloropropane

Concen: 5.820 ug/L

RT: 6.83 min Scan# 1706

Delta R.T. 0.00 min

Lab File: VU037559.D

Acq: 03 Apr 2020 09:47

Instrument :

MSVOA_U

ClientSampleId :

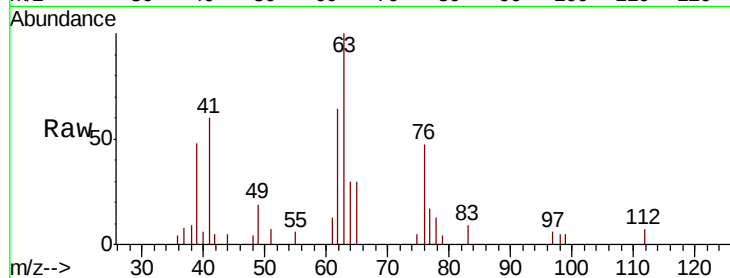
VSTD00536

Tot Ion: 63 Resp: 5438

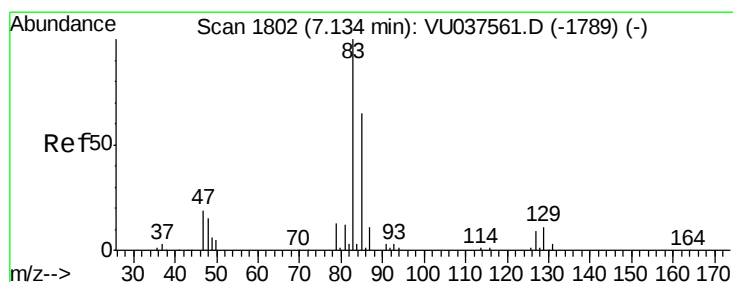
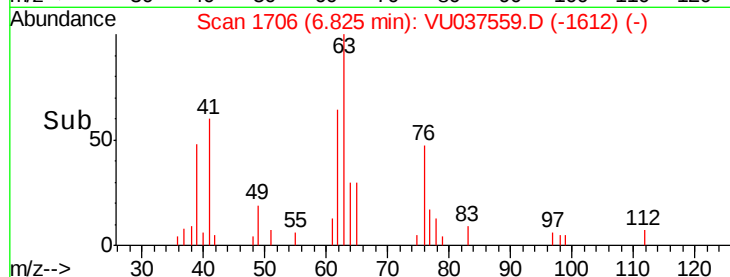
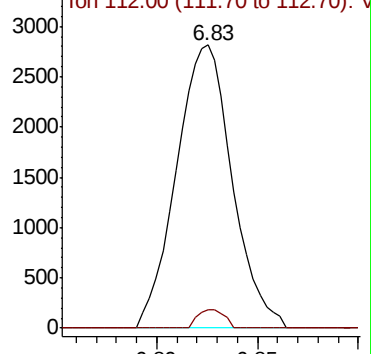
Ion Ratio Lower Upper

63 100

112 3.2 3.1 4.7



Abundance Ion 63.00 (62.70 to 63.70): VU037561.D (-1689) (-)



#38

Bromodichloromethane

Concen: 5.778 ug/L

RT: 7.14 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VU037559.D

Acq: 03 Apr 2020 09:47

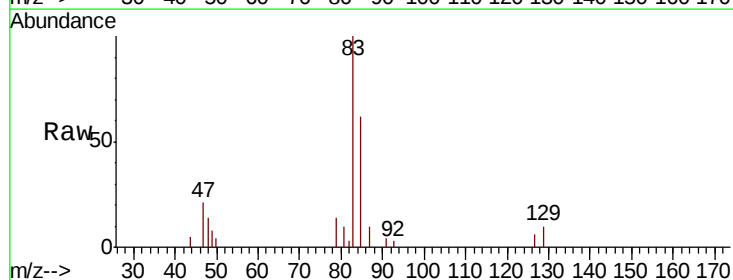
Tgt Ion: 83 Resp: 7022

Ion Ratio Lower Upper

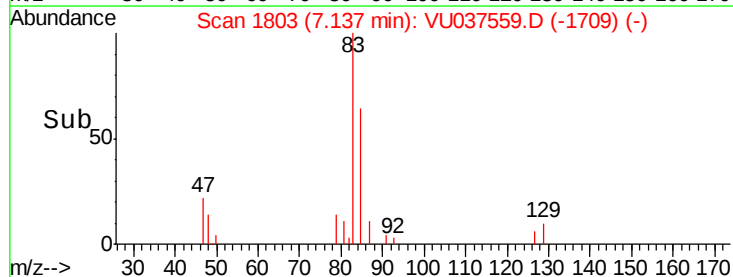
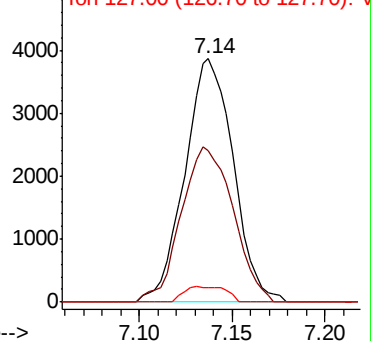
83 100

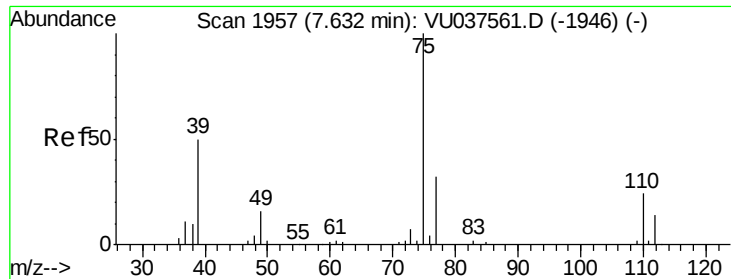
85 62.5 45.2 84.0

127 5.7 7.0 10.4#



Abundance Ion 83.00 (82.70 to 83.70): VU037561.D (-1789) (-)

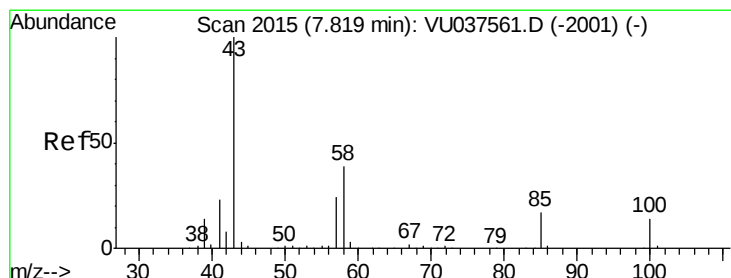
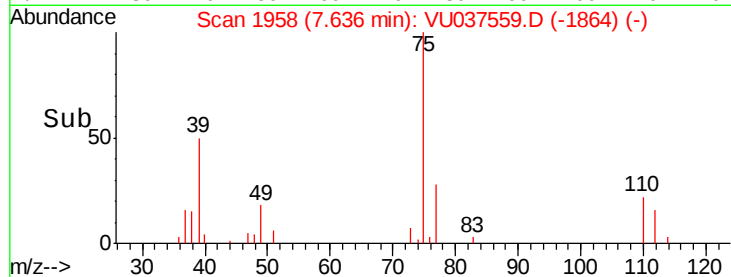
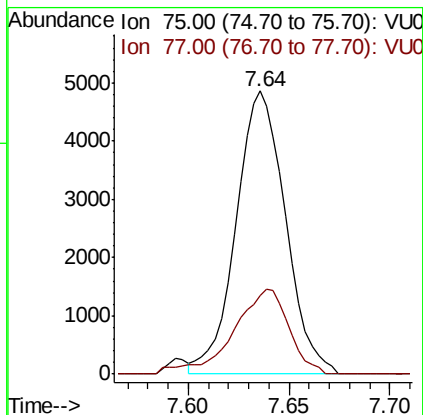
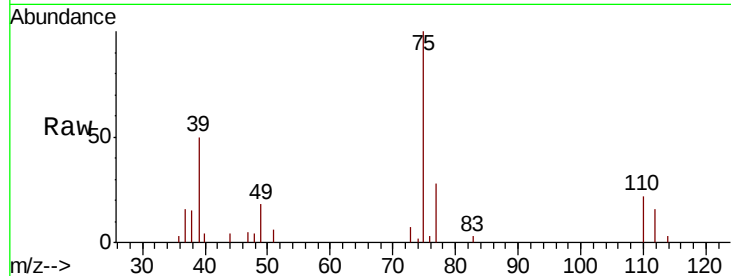




#39
 cis-1,3-Dichloropropene
 Concen: 5.708 ug/L
 RT: 7.64 min Scan# 1958
 Delta R.T. 0.00 min
 Lab File: VU037559.D
 Acq: 03 Apr 2020 09:47

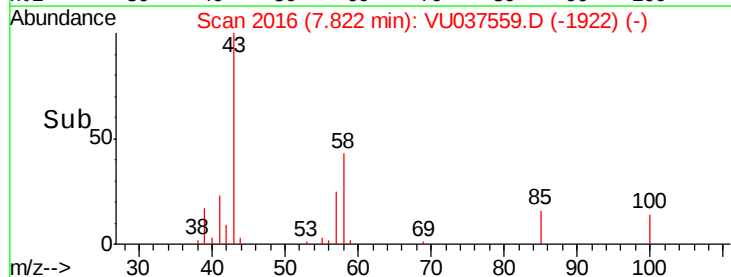
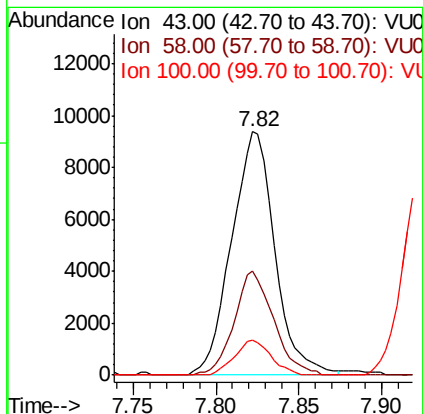
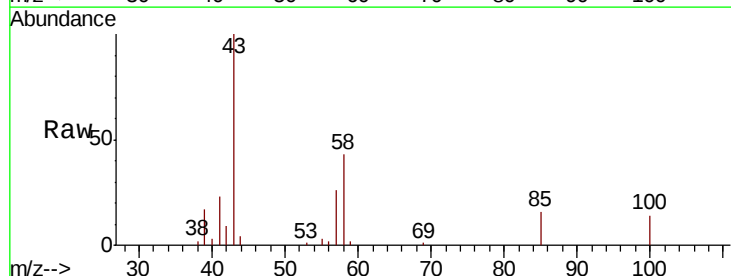
Instrument :
 MSVOA_U
 ClientSampled :
 VSTD00536

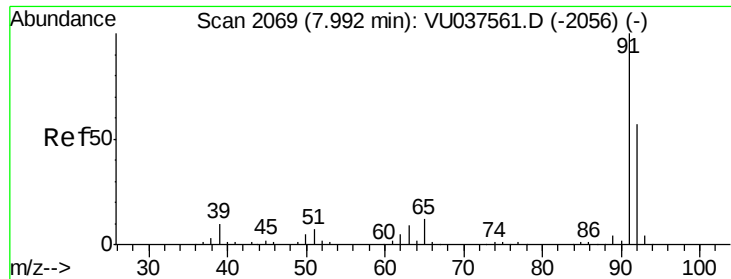
Tot Ion: 75 Resp: 8331
 Ion Ratio Lower Upper
 75 100
 77 27.6 22.5 41.7



#40
 4-Methyl-2-pentanone
 Concen: 11.219 ug/L
 RT: 7.82 min Scan# 2016
 Delta R.T. 0.00 min
 Lab File: VU037559.D
 Acq: 03 Apr 2020 09:47

Tgt Ion: 43 Resp: 17012
 Ion Ratio Lower Upper
 43 100
 58 38.8 31.4 47.0
 100 12.0 11.0 16.4





#42

Toluene

Concen: 5.848 ug/L

RT: 8.00 min Scan# 2070

Delta R.T. 0.00 min

Lab File: VU037559.D

Acq: 03 Apr 2020 09:47

Instrument :

MSVOA_U

ClientSampleId :

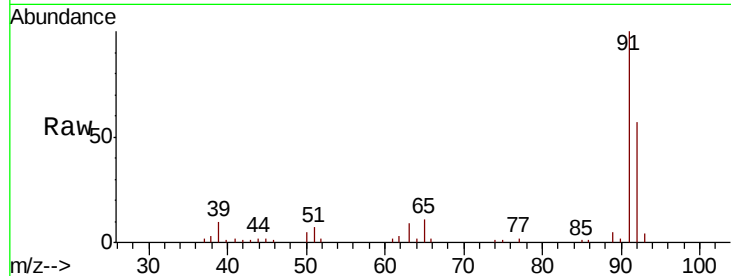
VSTD00536

Tot Ion: 91 Resp: 20754

Ion Ratio Lower Upper

91 100

92 57.4 39.7 73.7



Abundance Ion 91.00 (90.70 to 91.70): VU037561.D (-2056) (-)

Ion 92.00 (91.70 to 92.70): VU037561.D (-2056) (-)

8.00

15000

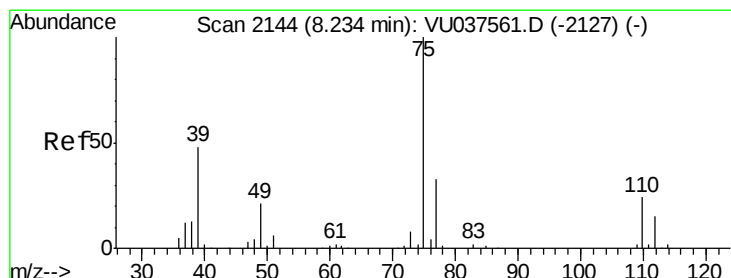
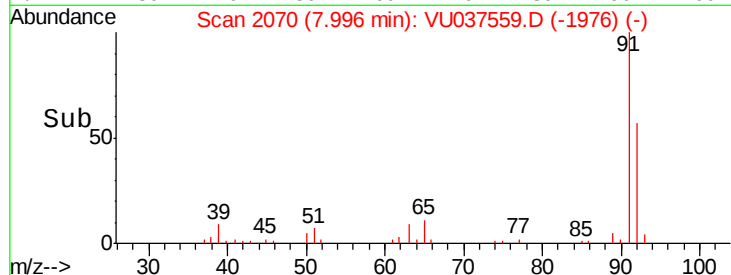
10000

5000

0

Time-->

7.95 8.00 8.05



#44

trans-1,3-Dichloropropene

Concen: 5.643 ug/L

RT: 8.24 min Scan# 2145

Delta R.T. 0.00 min

Lab File: VU037559.D

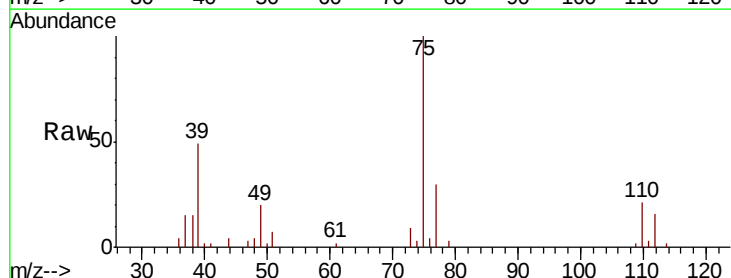
Acq: 03 Apr 2020 09:47

Tgt Ion: 75 Resp: 8110

Ion Ratio Lower Upper

75 100

77 30.3 23.4 43.6



Abundance Ion 75.00 (74.70 to 75.70): VU037561.D (-2127) (-)

Ion 77.00 (76.70 to 77.70): VU037561.D (-2127) (-)

8.24

5000

4000

3000

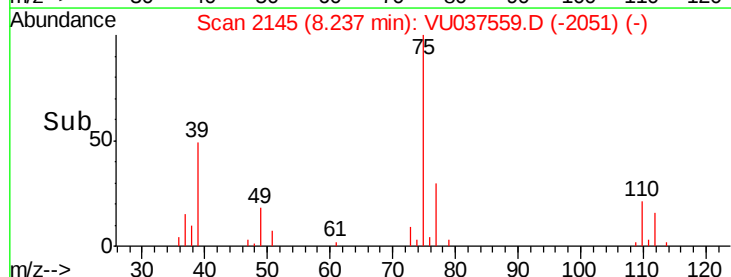
2000

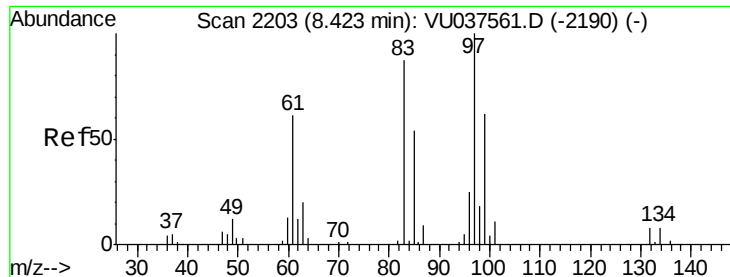
1000

0

Time-->

8.20 8.25

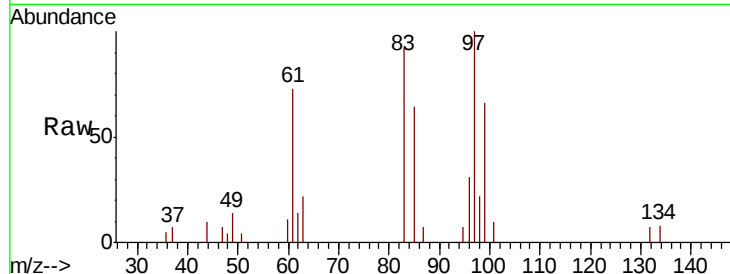




#45
 1,1,2-Trichloroethane
 Concen: 5.524 ug/L
 RT: 8.42 min Scan# 2203
 Delta R.T. 0.00 min
 Lab File: VU037559.D
 Acq: 03 Apr 2020 09:47

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00536

Tot Ion:	97	Resp:	4713
Ion	Ratio	Lower	Upper
97	100		
99	65.7	43.3	80.5
83	92.2	60.8	112.8
85	64.5	37.9	70.5



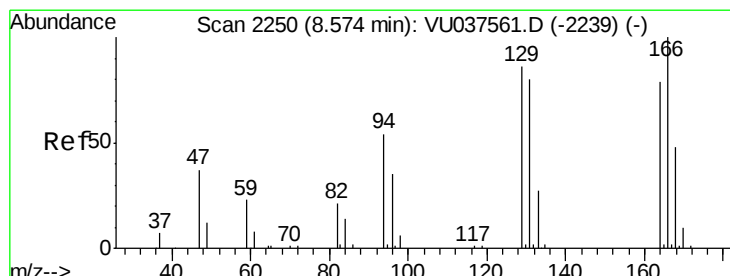
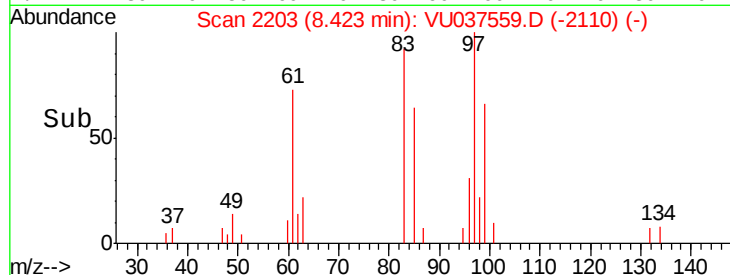
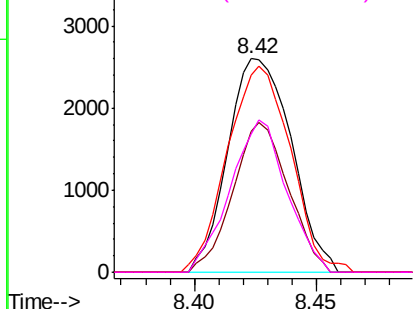
Abundance

Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

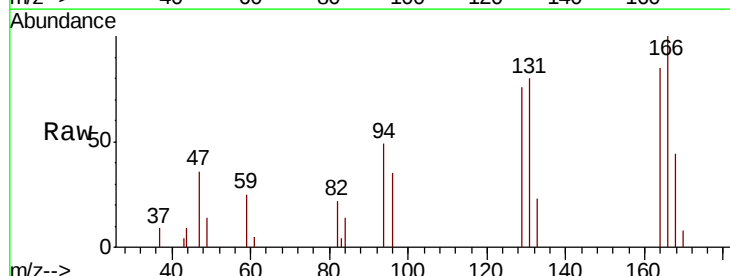
Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#46
 Tetrachloroethene
 Concen: 6.230 ug/L
 RT: 8.58 min Scan# 2251
 Delta R.T. 0.00 min
 Lab File: VU037559.D
 Acq: 03 Apr 2020 09:47

Tgt Ion:	164	Resp:	3587
Ion	Ratio	Lower	Upper
164	100		
129	89.3	76.5	142.1
131	93.7	71.7	133.1
166	117.0	88.8	165.0



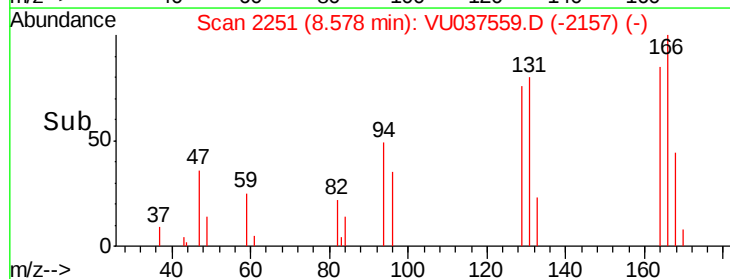
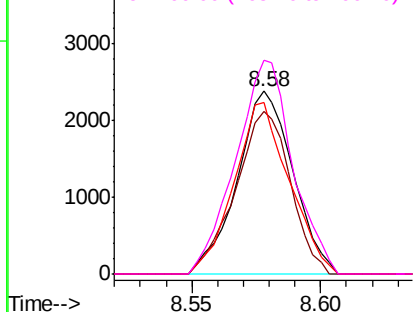
Abundance

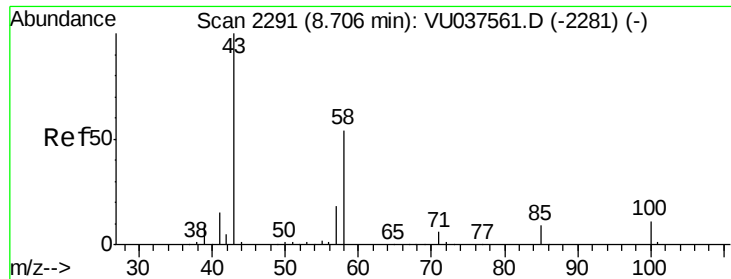
Ion 164.00 (163.70 to 164.70): V

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

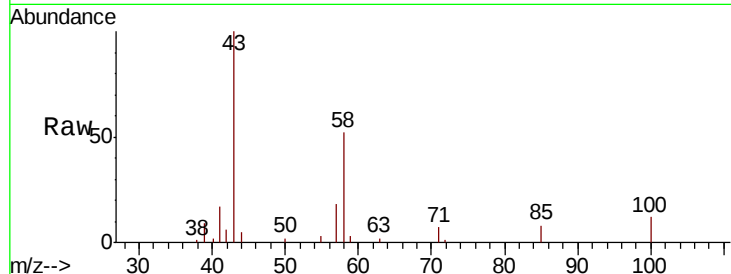




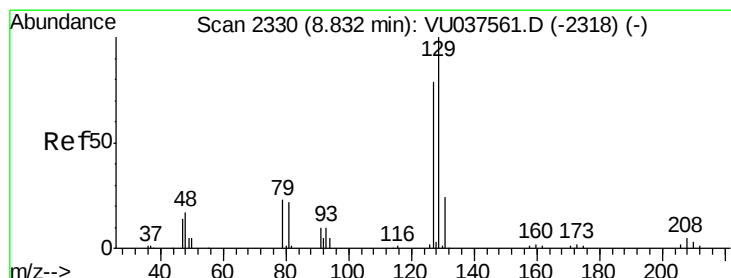
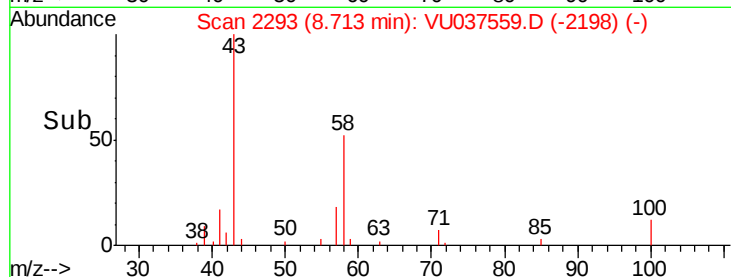
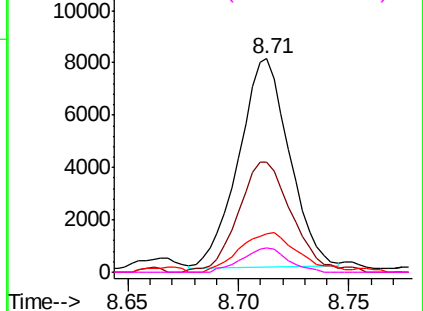
#48
2-Hexanone
Concen: 10.781 ug/L
RT: 8.71 min Scan# 2293
Delta R.T. 0.01 min
Lab File: VU037559.D
Acq: 03 Apr 2020 09:47

Instrument :
MSVOA_U
ClientSampleId :
VSTD00536

Tot Ion: 43 Resp: 12713
Ion Ratio Lower Upper
43 100
58 55.5 44.4 66.6
57 22.0 15.1 22.7
100 10.5 8.7 13.1

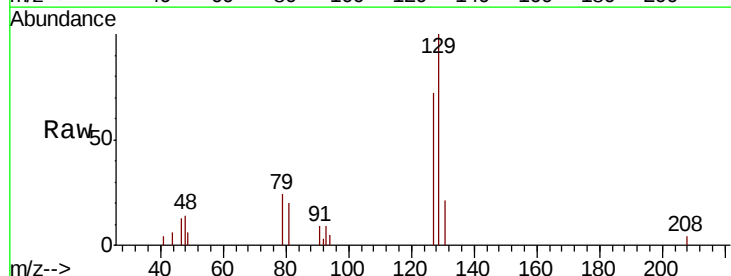


Abundance Ion 43.00 (42.70 to 43.70): VU037559.D (-2198) (-)
Ion 58.00 (57.70 to 58.70): VU037559.D (-2198) (-)
Ion 57.00 (56.70 to 57.70): VU037559.D (-2198) (-)
Ion 100.00 (99.70 to 100.70): VU037559.D (-2198) (-)

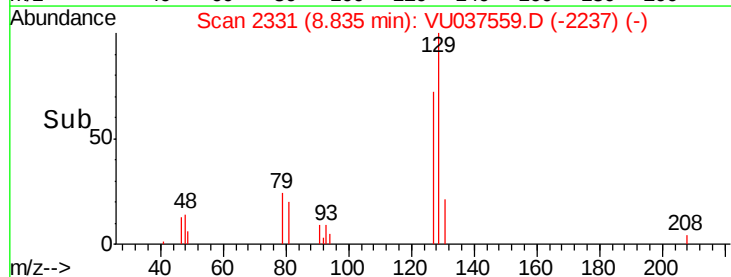
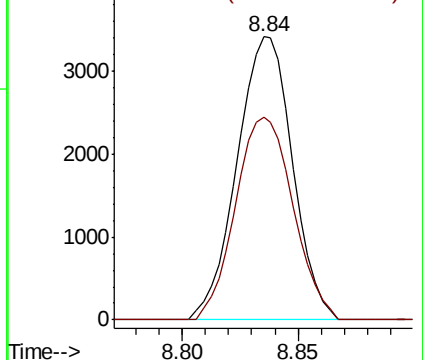


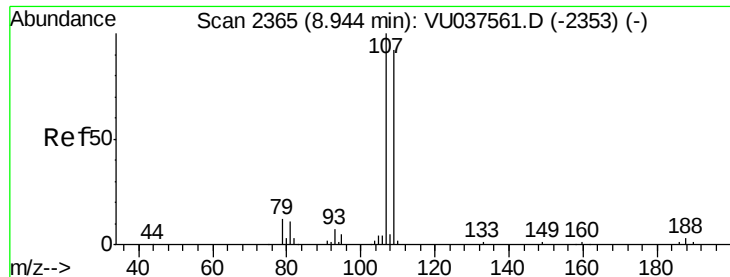
#49
Dibromochloromethane
Concen: 5.964 ug/L
RT: 8.84 min Scan# 2331
Delta R.T. 0.00 min
Lab File: VU037559.D
Acq: 03 Apr 2020 09:47

Tgt Ion: 129 Resp: 5675
Ion Ratio Lower Upper
129 100
127 71.6 55.0 102.2



Abundance Ion 129.00 (128.70 to 129.70): VU037559.D (-2237) (-)
Ion 127.00 (126.70 to 127.70): VU037559.D (-2237) (-)

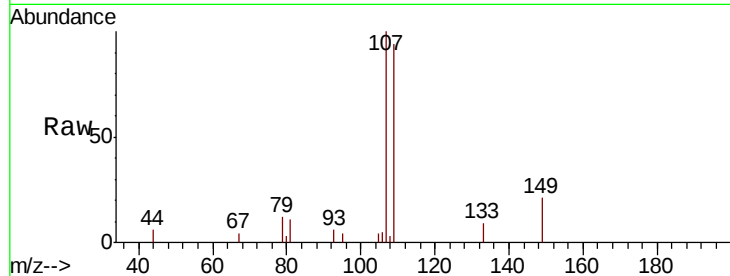




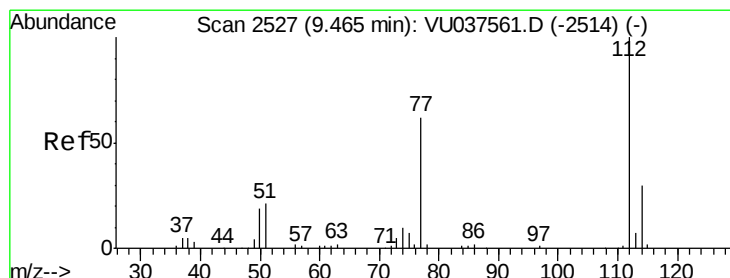
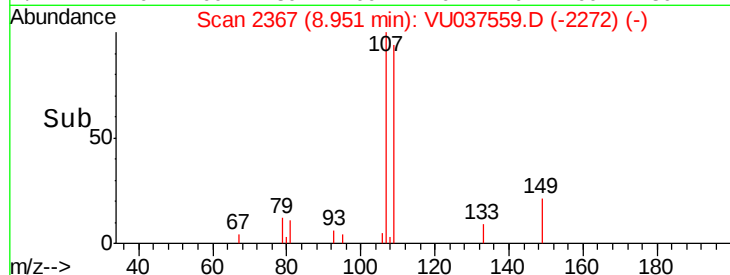
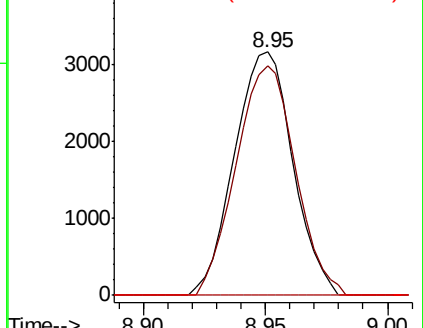
#50
 1,2-Dibromoethane
 Concen: 5.601 ug/L
 RT: 8.95 min Scan# 2367
 Delta R.T. 0.01 min
 Lab File: VU037559.D
 Acq: 03 Apr 2020 09:47

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00536

Tot Ion:107 Resp: 5255
 Ion Ratio Lower Upper
 107 100
 109 94.4 64.1 119.1
 188 0.0 2.3 3.5#

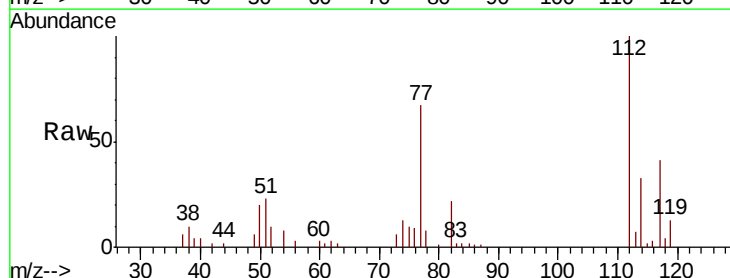


Abundance Ion 107.00 (106.70 to 107.70): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 188.00 (187.70 to 188.70): V

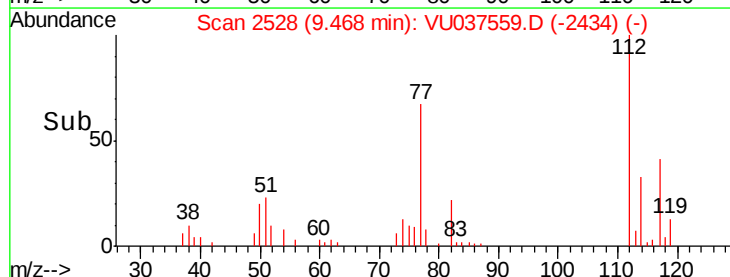
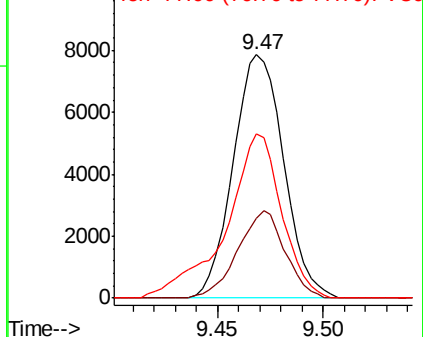


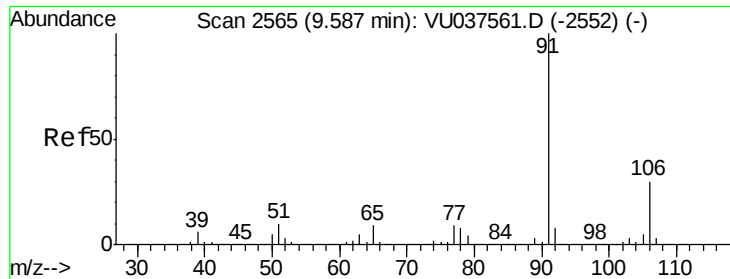
#51
 Chlorobenzene
 Concen: 5.948 ug/L
 RT: 9.47 min Scan# 2528
 Delta R.T. 0.00 min
 Lab File: VU037559.D
 Acq: 03 Apr 2020 09:47

Tgt Ion:112 Resp: 13094
 Ion Ratio Lower Upper
 112 100
 114 32.8 21.0 39.0
 77 67.5 50.2 75.4



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: 5.828 ug/L

RT: 9.59 min Scan# 2567

Delta R.T. 0.01 min

Lab File: VU037559.D

Acq: 03 Apr 2020 09:47

Instrument :

MSVOA_U

ClientSampleId :

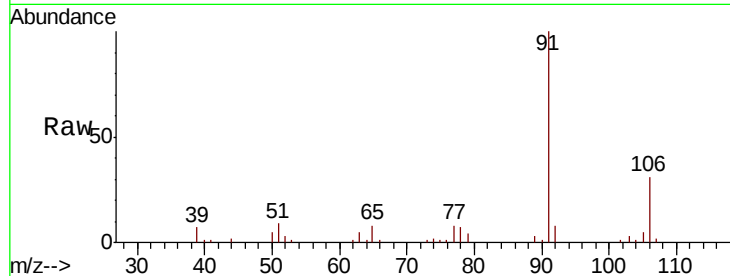
VSTD00536

Tot Ion: 91 Resp: 23389

Ion Ratio Lower Upper

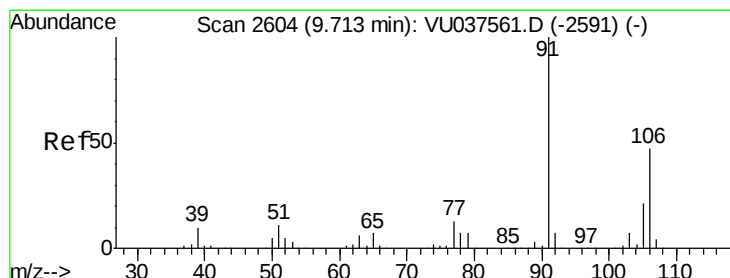
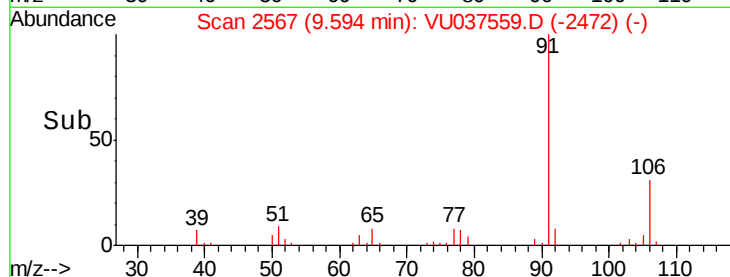
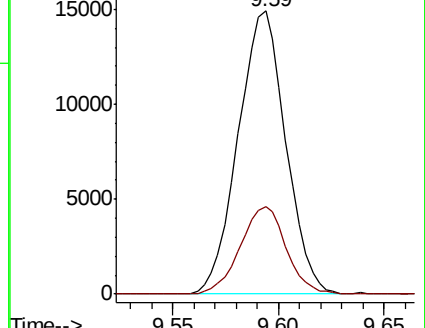
91 100

106 30.8 20.8 38.6



Abundance Ion 91.00 (90.70 to 91.70): VU037561.D (-2552) (-)

Ion 106.00 (105.70 to 106.70): VU037561.D (-2552) (-)



#53

m,p-Xylene

Concen: 6.026 ug/L

RT: 9.72 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VU037559.D

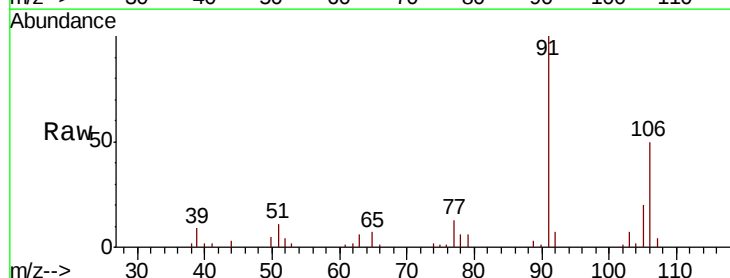
Acq: 03 Apr 2020 09:47

Tgt Ion: 106 Resp: 9021

Ion Ratio Lower Upper

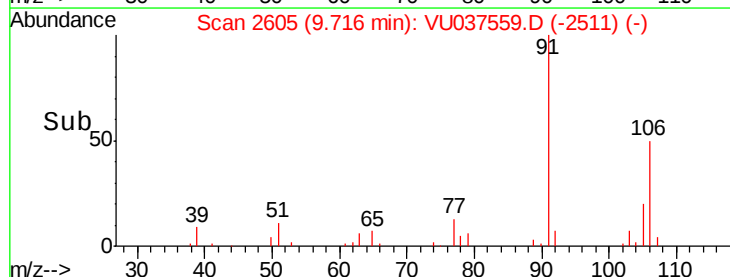
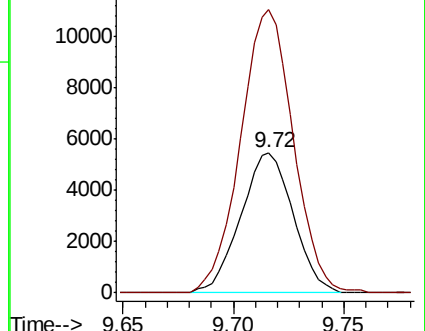
106 100

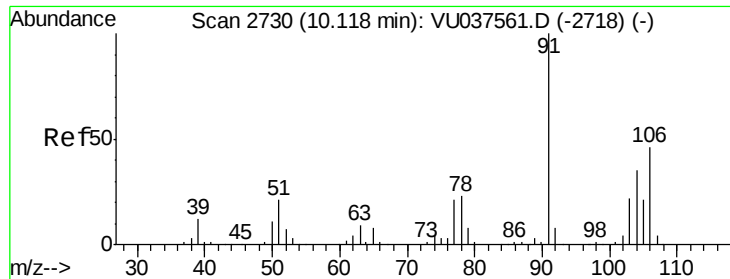
91 201.2 148.8 276.4



Abundance Ion 106.00 (105.70 to 106.70): VU037561.D (-2591) (-)

Ion 91.00 (90.70 to 91.70): VU037561.D (-2591) (-)





#54

o-xylene

Concen: 5.612 ug/L

RT: 10.12 min Scan# 2731

Delta R.T. 0.00 min

Lab File: VU037559.D

Acq: 03 Apr 2020 09:47

Instrument :

MSVOA_U

ClientSampleId :

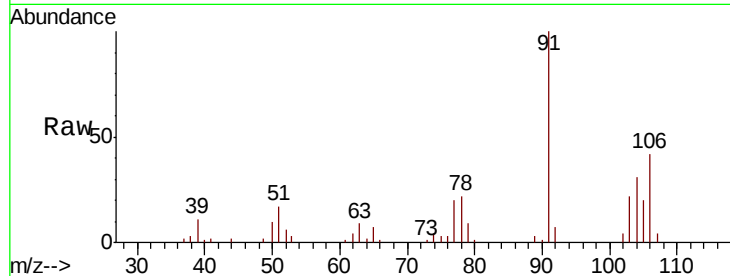
VSTD00536

Tot Ion:106 Resp: 8098

Ion Ratio Lower Upper

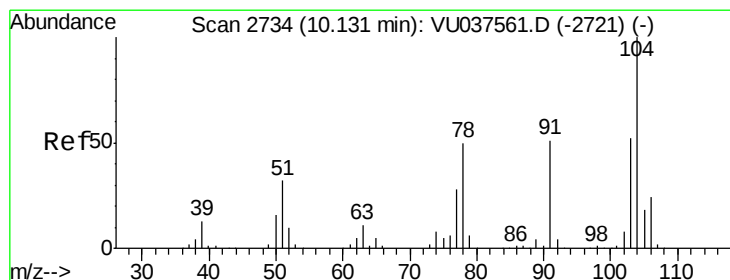
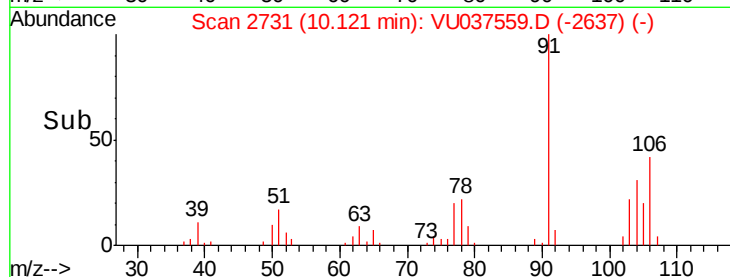
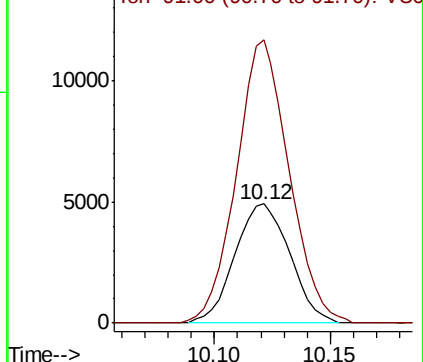
106 100

91 237.3 152.6 283.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 5.753 ug/L

RT: 10.13 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VU037559.D

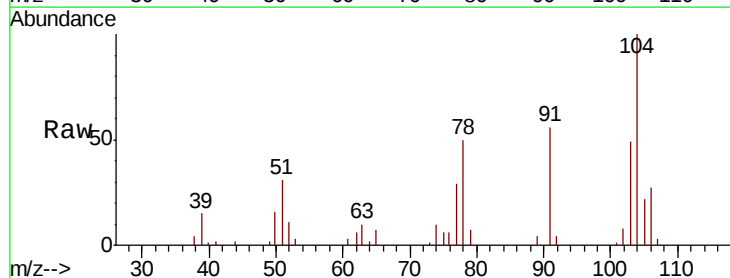
Acq: 03 Apr 2020 09:47

Tgt Ion:104 Resp: 14697

Ion Ratio Lower Upper

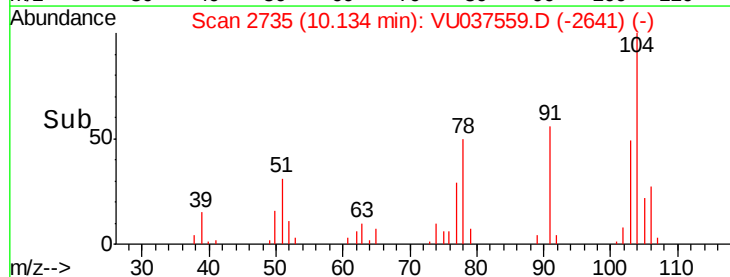
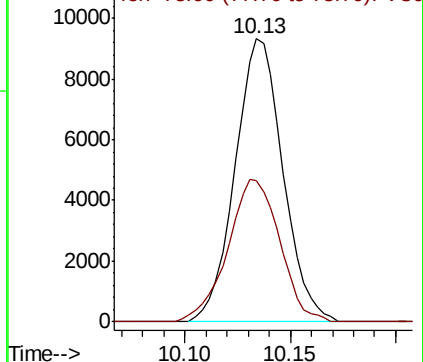
104 100

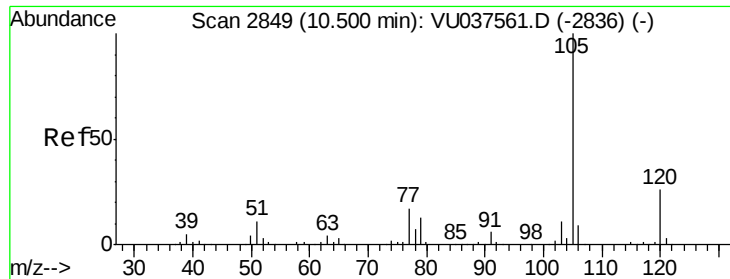
78 50.1 34.9 64.9



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 5.664 ug/L

RT: 10.50 min Scan# 2850

Delta R.T. 0.00 min

Lab File: VU037559.D

Acq: 03 Apr 2020 09:47

Instrument :

MSVOA_U

ClientSampleId :

VSTD00536

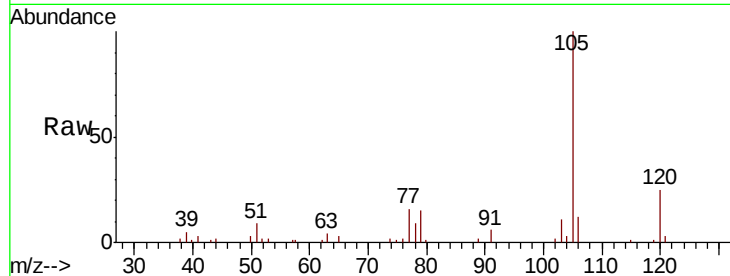
Tot Ion:105 Resp: 22158

Ion Ratio Lower Upper

105 100

120 25.0 20.7 31.1

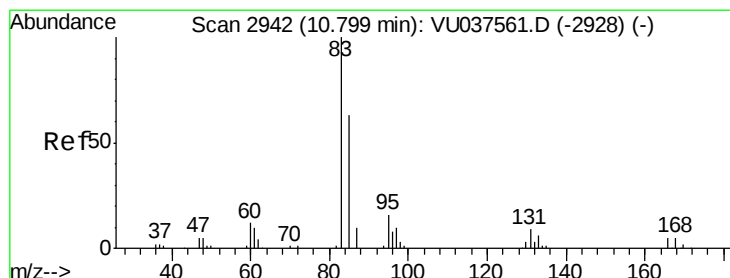
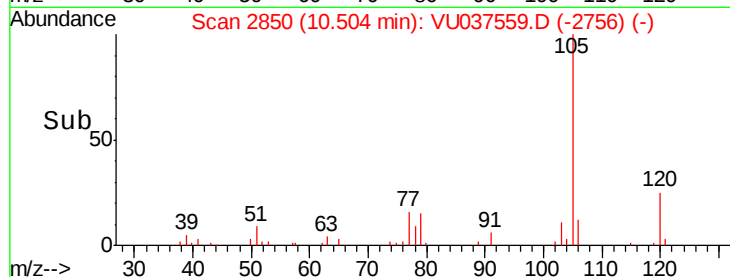
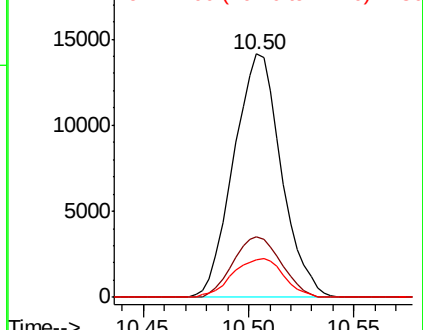
77 17.1 13.4 20.0



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: 5.400 ug/L

RT: 10.80 min Scan# 2943

Delta R.T. 0.00 min

Lab File: VU037559.D

Acq: 03 Apr 2020 09:47

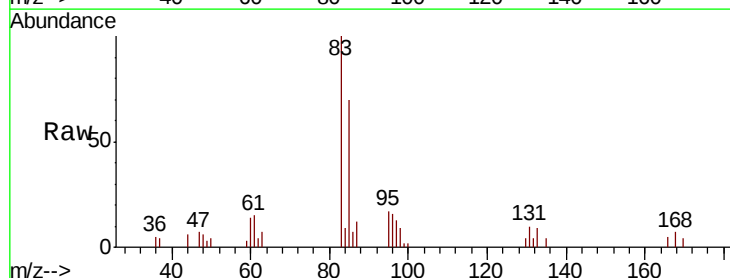
Tgt Ion: 83 Resp: 8305

Ion Ratio Lower Upper

83 100

85 70.4 44.2 82.2

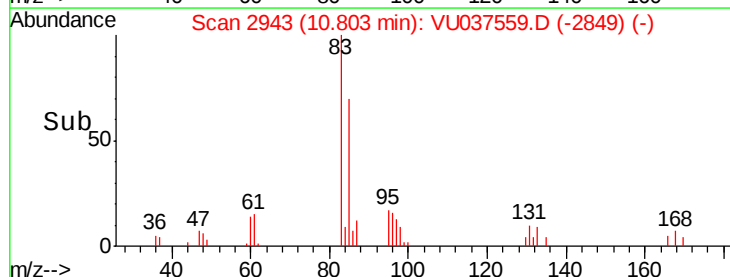
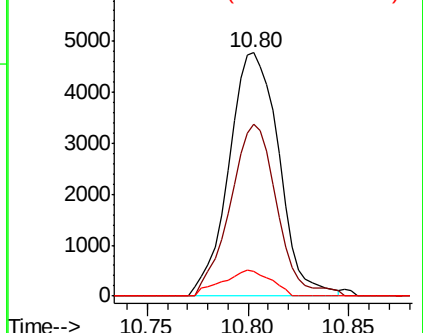
131 14.0 7.2 10.8#

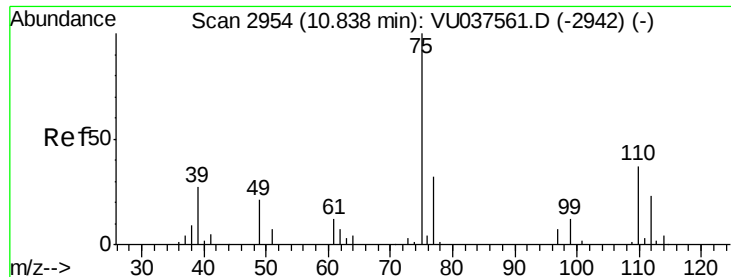


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

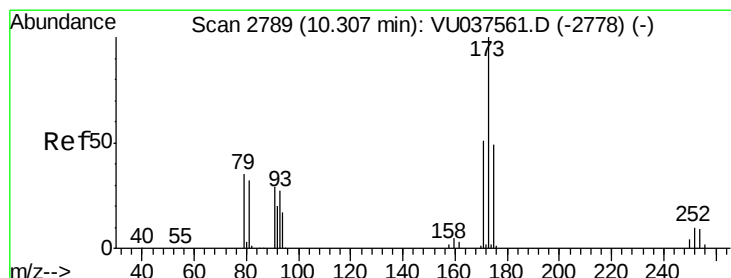
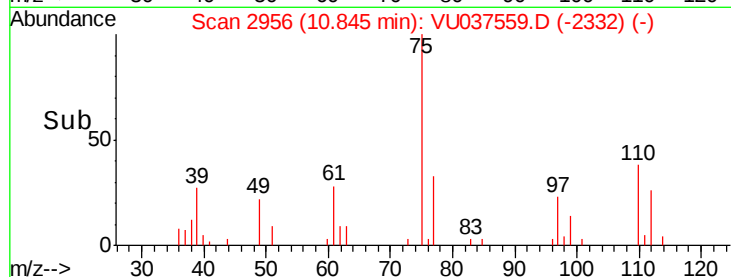
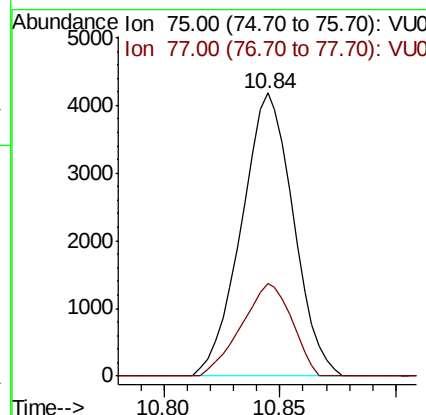
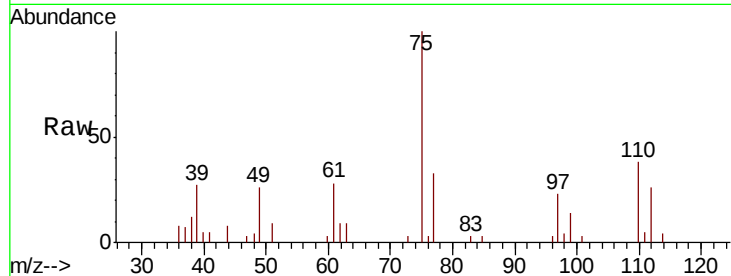




#59
 1,2,3-Trichloropropane
 Concen: 5.418 ug/L
 RT: 10.84 min Scan# 2956
 Delta R.T. 0.01 min
 Lab File: VU037559.D
 Acq: 03 Apr 2020 09:47

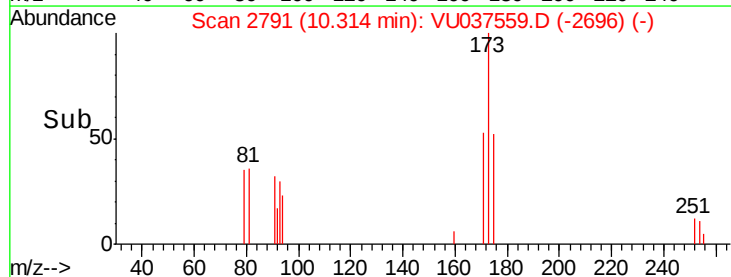
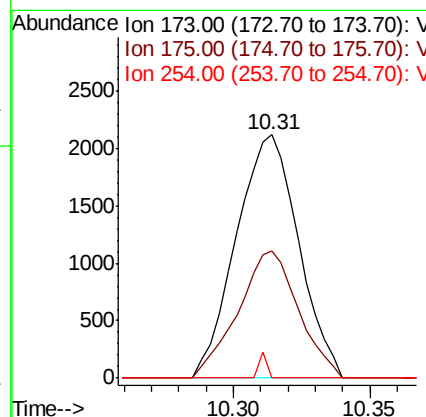
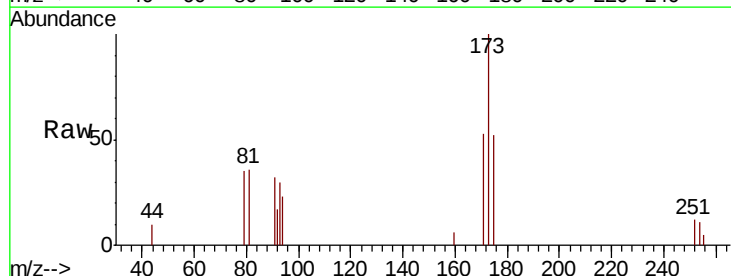
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00536

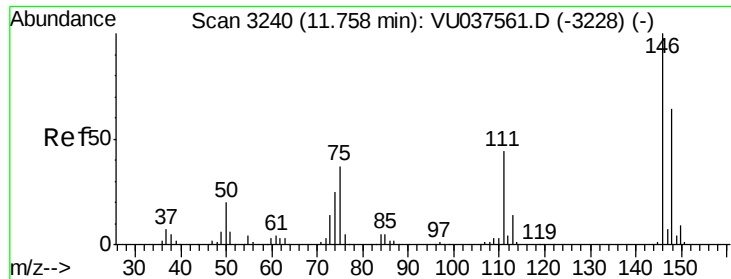
Tot Ion: 75 Resp: 6508
 Ion Ratio Lower Upper
 75 100
 77 31.9 25.5 38.3



#61
 Bromoform
 Concen: 4.931 ug/L
 RT: 10.31 min Scan# 2791
 Delta R.T. 0.01 min
 Lab File: VU037559.D
 Acq: 03 Apr 2020 09:47

Tgt Ion:173 Resp: 3359
 Ion Ratio Lower Upper
 173 100
 175 50.7 38.6 58.0
 254 0.0 7.4 11.2#

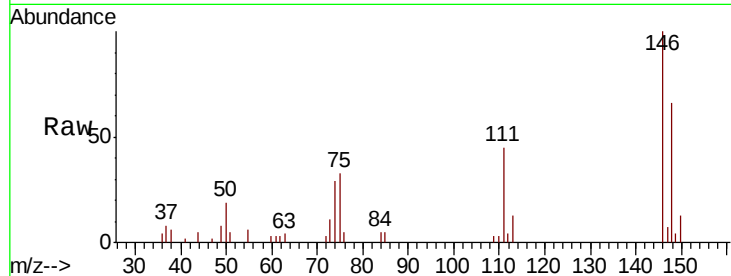




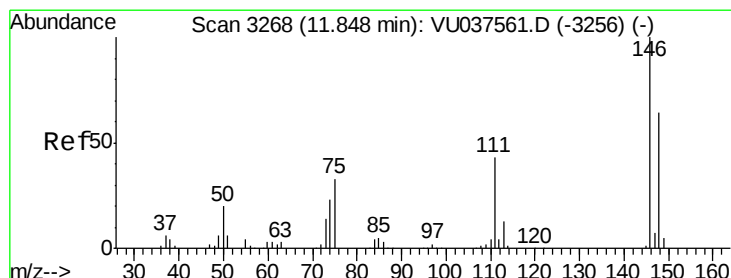
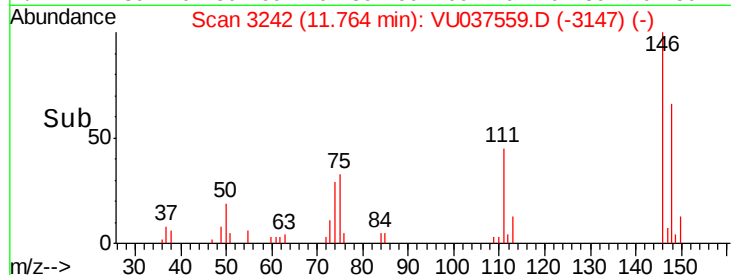
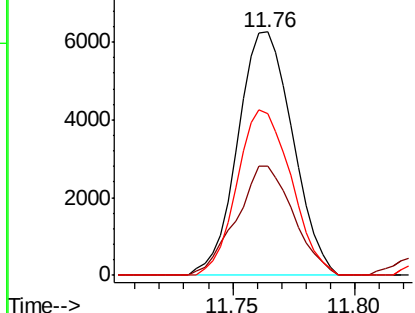
#62
 1,3-Dichlorobenzene
 Concen: 5.689 ug/L
 RT: 11.76 min Scan# 3242
 Delta R.T. 0.01 min
 Lab File: VU037559.D
 Acq: 03 Apr 2020 09:47

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00536

Tot Ion:146 Resp: 9789
 Ion Ratio Lower Upper
 146 100
 111 44.7 31.1 57.7
 148 66.4 44.4 82.5

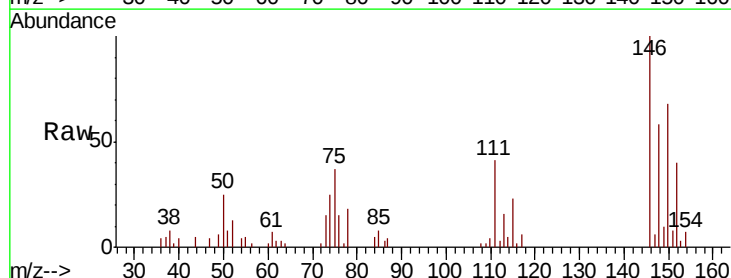


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

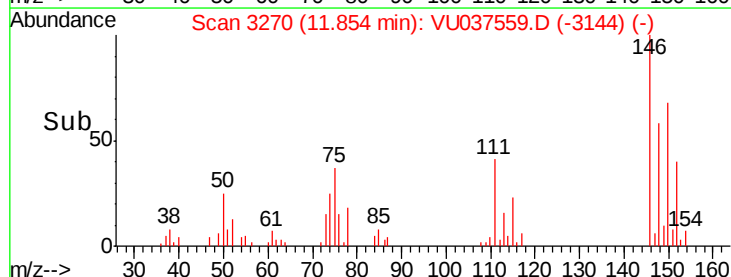
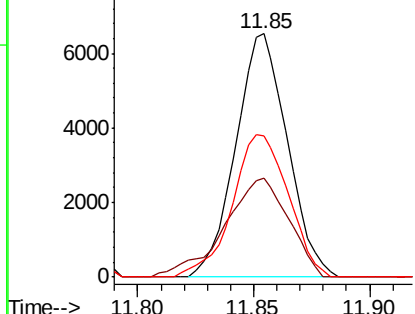


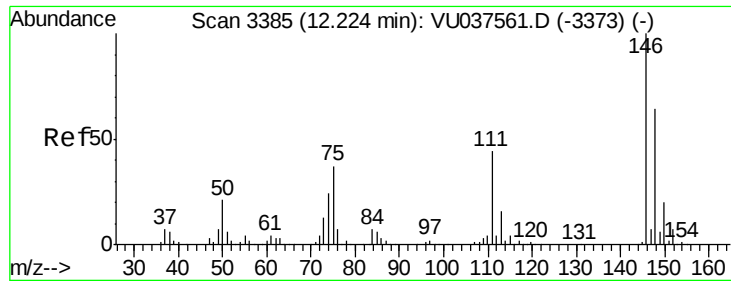
#63
 1,4-Dichlorobenzene
 Concen: 5.816 ug/L
 RT: 11.85 min Scan# 3270
 Delta R.T. 0.01 min
 Lab File: VU037559.D
 Acq: 03 Apr 2020 09:47

Tgt Ion:146 Resp: 10101
 Ion Ratio Lower Upper
 146 100
 111 40.7 30.1 55.9
 148 57.8 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





#65

1,2-Dichlorobenzene

Concen: 5.762 ug/L

RT: 12.23 min Scan# 3386

Delta R.T. 0.00 min

Lab File: VU037559.D

Acq: 03 Apr 2020 09:47

Instrument :

MSVOA_U

ClientSampleId :

VSTD00536

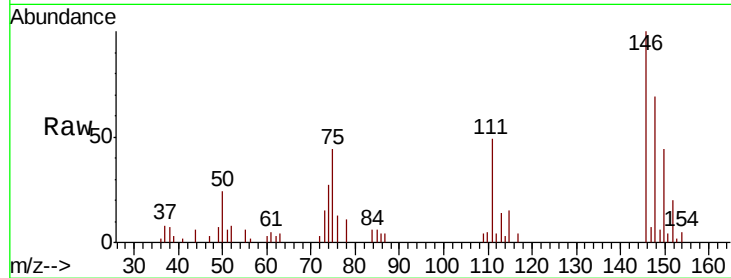
Tot Ion:146 Resp: 9818

Ion Ratio Lower Upper

146 100

111 48.8 35.6 53.4

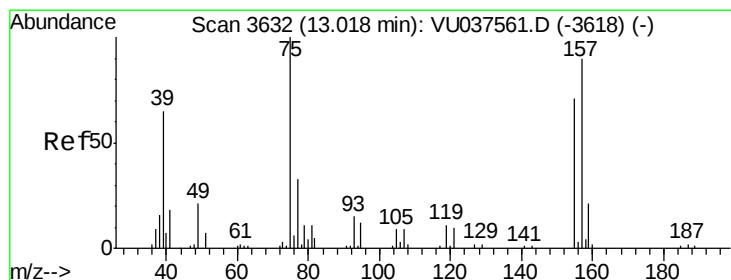
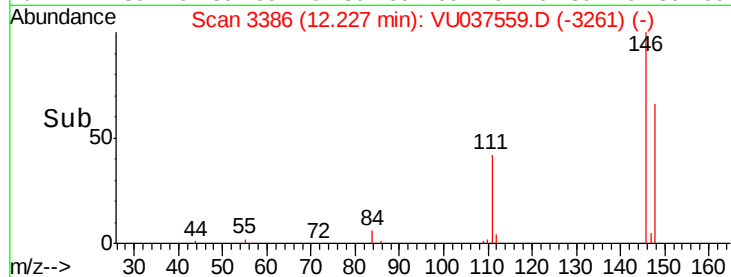
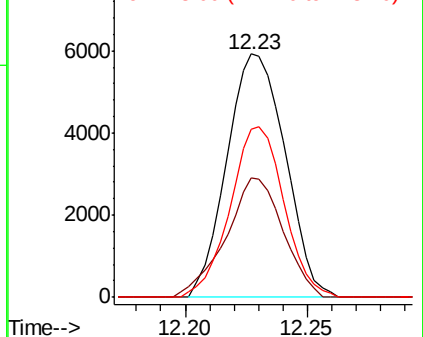
148 69.2 51.0 76.6



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: 5.481 ug/L

RT: 13.02 min Scan# 3634

Delta R.T. 0.01 min

Lab File: VU037559.D

Acq: 03 Apr 2020 09:47

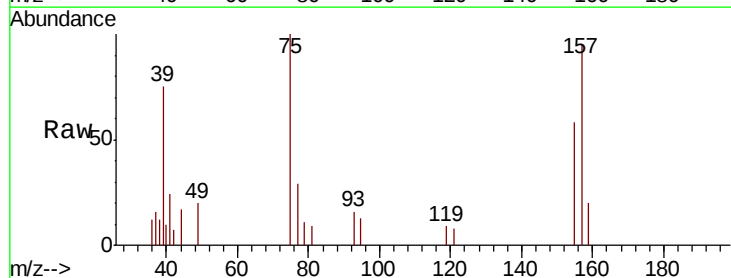
Tgt Ion: 75 Resp: 2240

Ion Ratio Lower Upper

75 100

155 57.8 56.6 85.0

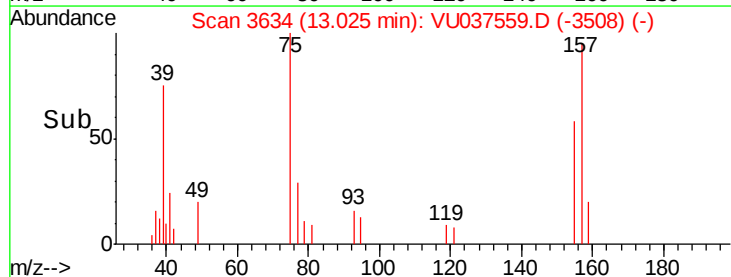
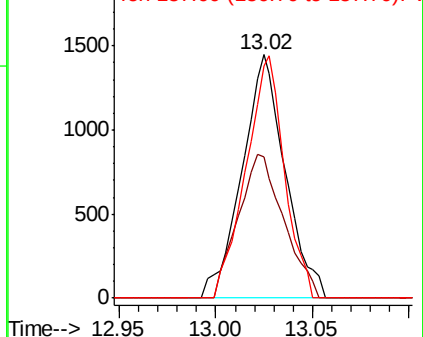
157 95.2 72.4 108.6

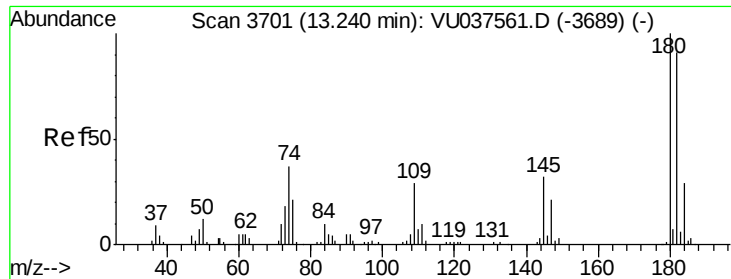


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

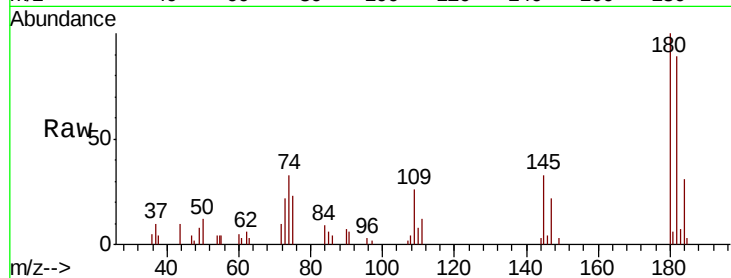




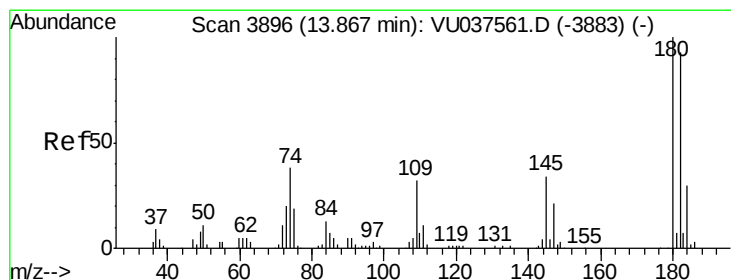
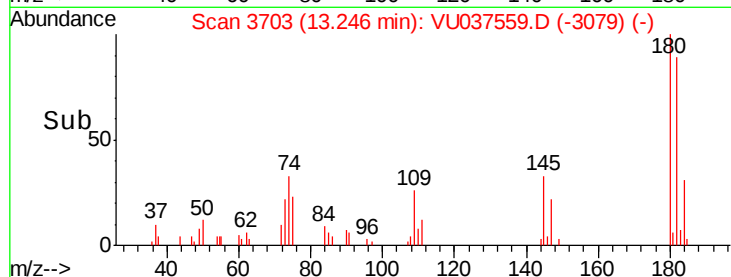
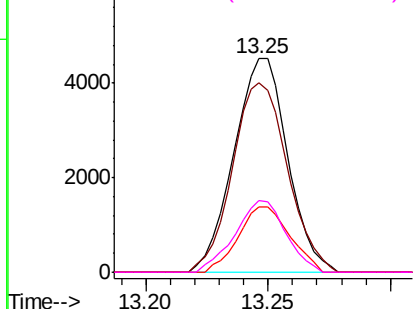
#67
 1,3,5-Trichlorobenzene
 Concen: 5.781 ug/L
 RT: 13.25 min Scan# 3703
 Delta R.T. 0.01 min
 Lab File: VU037559.D
 Acq: 03 Apr 2020 09:47

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00536

Tot Ion:180 Resp: 6905
 Ion Ratio Lower Upper
 180 100
 182 90.9 74.9 112.3
 184 29.2 23.6 35.4
 145 31.6 25.7 38.5

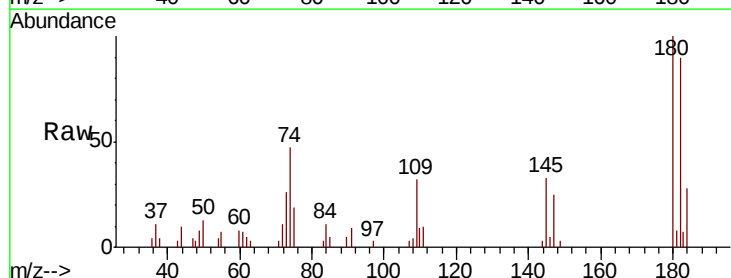


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

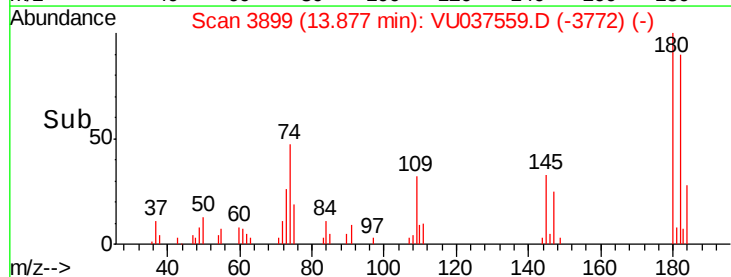
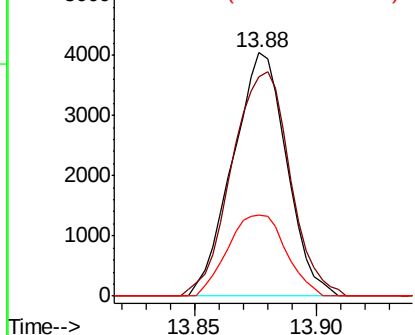


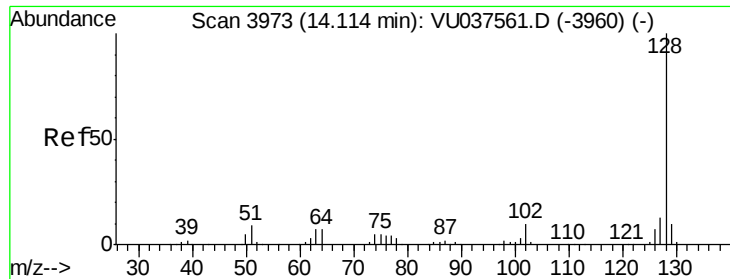
#68
 1,2,4-trichlorobenzene
 Concen: 5.459 ug/L
 RT: 13.88 min Scan# 3899
 Delta R.T. 0.01 min
 Lab File: VU037559.D
 Acq: 03 Apr 2020 09:47

Tgt Ion:180 Resp: 6216
 Ion Ratio Lower Upper
 180 100
 182 99.5 74.4 111.6
 145 35.8 26.9 40.3



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: 6.372 ug/L

RT: 14.12 min Scan# 3976

Delta R.T. 0.01 min

Lab File: VU037559.D

Acq: 03 Apr 2020 09:47

Instrument :

MSVOA_U

ClientSampleId :

VSTD00536

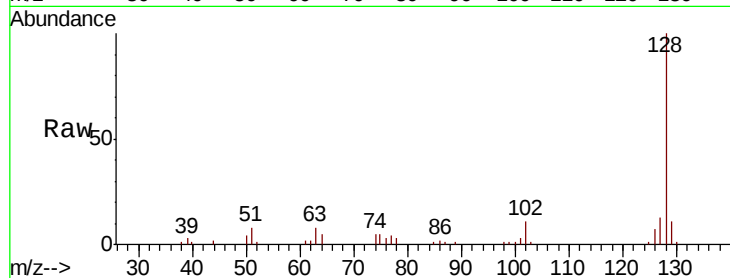
Tot Ion:128 Resp: 30737

Ion Ratio Lower Upper

128 100

127 13.4 10.2 15.4

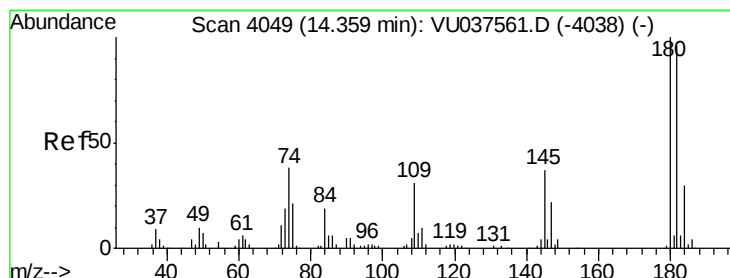
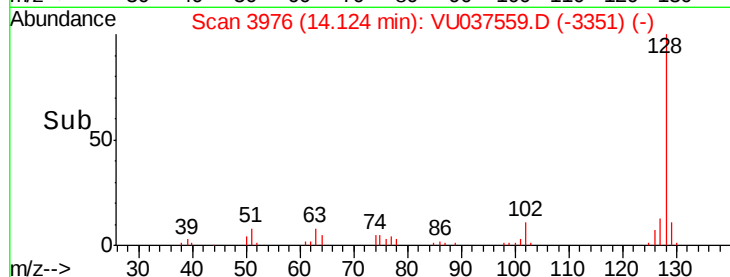
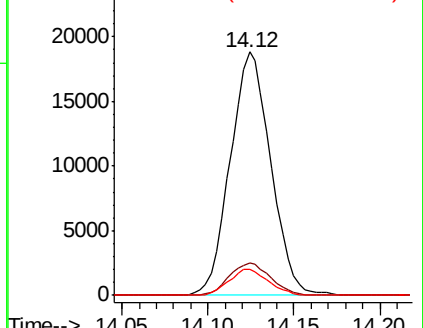
129 10.6 8.5 12.7



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: 5.255 ug/L

RT: 14.37 min Scan# 4053

Delta R.T. 0.01 min

Lab File: VU037559.D

Acq: 03 Apr 2020 09:47

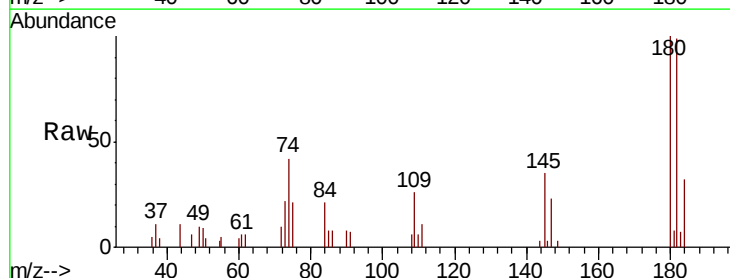
Tgt Ion:180 Resp: 6045

Ion Ratio Lower Upper

180 100

182 101.5 76.0 114.0

145 37.3 29.0 43.6



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

