

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU040320\
 Data File : VU037562.D
 Acq On : 03 Apr 2020 10:55
 Operator : JC/MD
 Sample : VSTD10033
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10033

Quant Time: Apr 04 02:53:49 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	186730	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	177535	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	86376	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	143376	94.54	ug/L	0.00
7) Chloroethane-d5	1.93	69	111377	91.41	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.59	63	238135	93.42	ug/L	0.00
21) 2-Butanone-d5	4.67	46	220376	193.34	ug/L	0.00
24) Chloroform-d	5.10	84	244309	95.62	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.74	65	157250	92.69	ug/L	0.00
32) Benzene-d6	5.76	84	481222	93.55	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.72	67	162816	94.03	ug/L	0.00
41) Toluene-d8	7.92	98	450202	93.91	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.20	79	88029	93.63	ug/L	0.00
47) 2-Hexanone-d5	8.66	63	171047	186.44	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.77	84	235915	95.30	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.20	152	160265	90.93	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.40	85	110782	91.769	ug/L 99
3) Chloromethane	1.54	50	119781	93.541	ug/L 99
5) Vinyl chloride	1.62	62	119919	94.309	ug/L 95
6) Bromomethane	1.86	94	59084	94.214	ug/L 96
8) Chloroethane	1.95	64	68653	91.545	ug/L 99
9) Trichlorofluoromethane	2.16	101	169624	94.026	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	94310	91.654	ug/L 97
12) 1,1-Dichloroethene	2.60	96	94951	95.060	ug/L 93
13) Acetone	2.66	43	115353	175.080	ug/L 99
14) Carbon disulfide	2.82	76	265906	92.160	ug/L 99
15) Methyl Acetate	2.98	43	139114	93.176	ug/L 99
16) Methylene chloride	3.08	84	111644	92.148	ug/L 98
17) trans-1,2-Dichloroethene	3.39	96	97744	90.875	ug/L 97
18) Methyl tert-butyl Ether	3.40	73	354959	94.146	ug/L 99
19) 1,1-Dichloroethane	3.91	63	193859	91.993	ug/L 99
20) cis-1,2-Dichloroethene	4.71	96	114988	92.836	ug/L 95
22) 2-Butanone	4.75	43	201020	186.929	ug/L 99
23) Bromochloromethane	5.02	128	54995	92.506	ug/L 99
25) Chloroform	5.13	83	198485	90.338	ug/L 96
27) 1,2-Dichloroethane	5.83	62	159457	94.038	ug/L 99
29) Cyclohexane	5.42	56	174277	93.668	ug/L 99
30) 1,1,1-Trichloroethane	5.35	97	176011	93.528	ug/L 99
31) Carbon tetrachloride	5.56	117	144813	93.496	ug/L 99
33) Benzene	5.81	78	435225	93.561	ug/L 100
34) Trichloroethene	6.57	95	110937	91.205	ug/L 97
35) Methylcyclohexane	6.79	83	170838	90.902	ug/L 98
37) 1,2-Dichloropropane	6.82	63	120984	91.280	ug/L 98
38) Bromodichloromethane	7.13	83	161928	93.934	ug/L 99
39) cis-1,3-Dichloropropene	7.63	75	197835	95.565	ug/L 97
40) 4-Methyl-2-pentanone	7.82	43	403705	187.702	ug/L 100

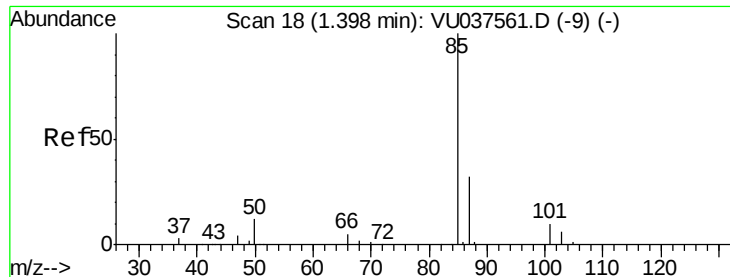
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU040320\
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 Quant Title : VOC Analysis
 QLast Update : Sat Apr 04 02:49:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.99	91	465366	92.446	ug/L	99
44) trans-1,3-Dichloropropene	8.23	75	191728	94.046	ug/L	97
45) 1,1,2-Trichloroethane	8.42	97	114369	94.511	ug/L	99
46) Tetrachloroethene	8.57	164	73479	89.970	ug/L	96
48) 2-Hexanone	8.71	43	318721	190.557	ug/L	99
49) Dibromochloromethane	8.83	129	125302	92.835	ug/L	100
50) 1,2-Dibromoethane	8.94	107	126232	94.851	ug/L	100
51) Chlorobenzene	9.47	112	290667	93.092	ug/L	98
52) Ethylbenzene	9.59	91	531490	93.362	ug/L	99
53) m,p-Xylene	9.71	106	195694	92.160	ug/L	100
54) o-xylene	10.12	106	192070	93.848	ug/L	95
55) Styrene	10.13	104	337851	93.229	ug/L	97
56) Isopropylbenzene	10.50	105	522012	94.073	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.80	83	207987	95.340	ug/L	99
59) 1,2,3-Trichloropropane	10.84	75	162131	95.155	ug/L	99
61) Bromoform	10.31	173	96554	97.784	ug/L	100
62) 1,3-Dichlorobenzene	11.76	146	229335	91.952	ug/L	99
63) 1,4-Dichlorobenzene	11.85	146	230765	91.675	ug/L	99
65) 1,2-Dichlorobenzene	12.22	146	228259	92.431	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.02	75	56794	95.879	ug/L	98
67) 1,3,5-Trichlorobenzene	13.24	180	160108	92.487	ug/L	98
68) 1,2,4-trichlorobenzene	13.87	180	155068	93.963	ug/L	97
69) Naphthalene	14.11	128	608683	87.058	ug/L	100
70) 1,2,3-Trichlorobenzene	14.36	180	155683	93.381	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 91.769 ug/L

RT: 1.40 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU037562.D

Acq: 03 Apr 2020 10:55

Instrument :

MSVOA_U

ClientSampleId :

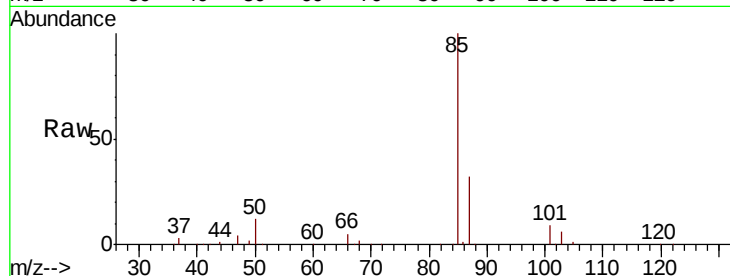
VSTD10033

Tot Ion: 85 Resp: 110782

Ion Ratio Lower Upper

85 100

87 32.3 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VU037561.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VU037561.D (-9) (-)

1.40

120000

100000

80000

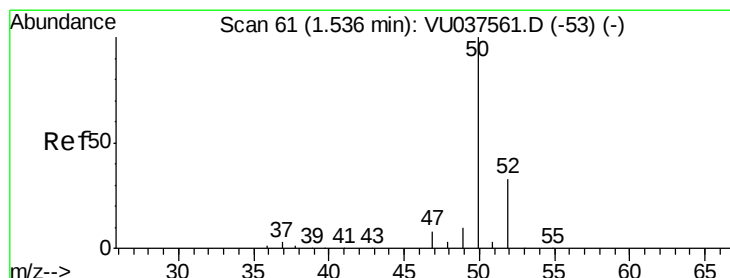
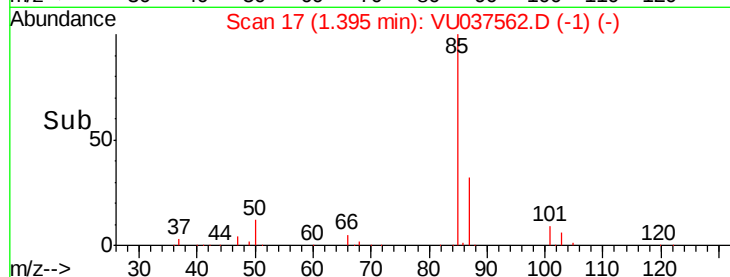
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 93.541 ug/L

RT: 1.54 min Scan# 61

Delta R.T. 0.00 min

Lab File: VU037562.D

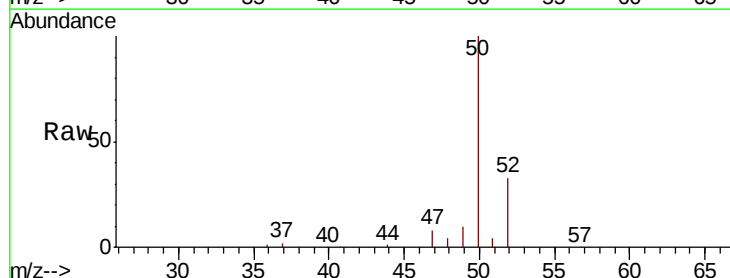
Acq: 03 Apr 2020 10:55

Tgt Ion: 50 Resp: 119781

Ion Ratio Lower Upper

50 100

52 32.8 23.3 43.3



Abundance Ion 50.00 (49.70 to 50.70): VU037561.D (-53) (-)

Ion 52.00 (51.70 to 52.70): VU037561.D (-53) (-)

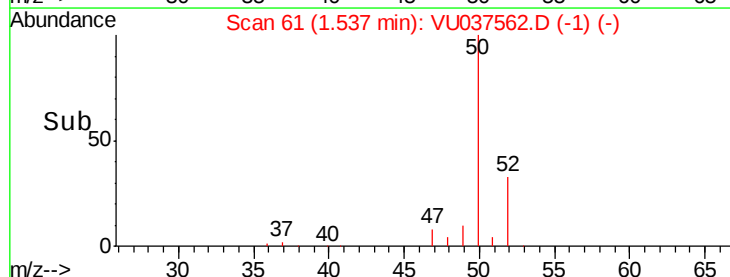
1.54

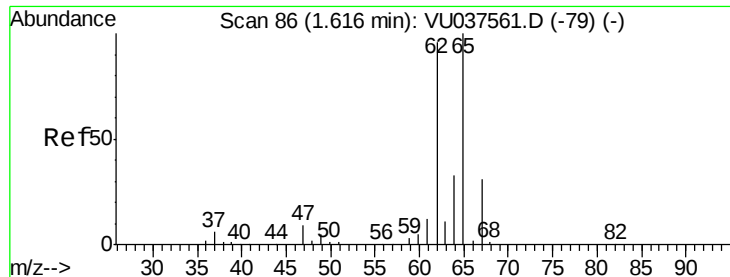
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 94.309 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU037562.D

Acq: 03 Apr 2020 10:55

Instrument :

MSVOA_U

ClientSampleId :

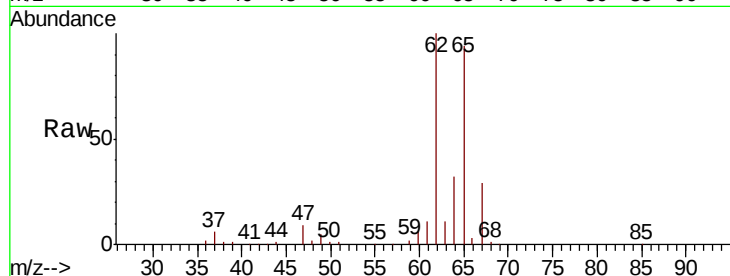
VSTD10033

Tot Ion: 62 Resp: 119919

Ion Ratio Lower Upper

62 100

64 31.6 24.0 44.6



Abundance Ion 62.00 (61.70 to 62.70): VU037561.D (-79) (-)

Ion 64.00 (63.70 to 64.70): VU037561.D (-79) (-)

1.62

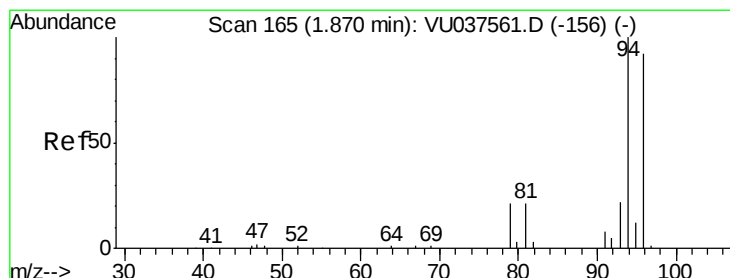
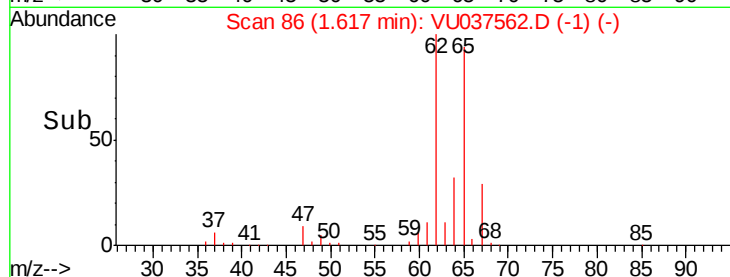
100000

50000

0

1.60 1.65

Time-->



#6

Bromomethane

Concen: 94.214 ug/L

RT: 1.86 min Scan# 163

Delta R.T. -0.01 min

Lab File: VU037562.D

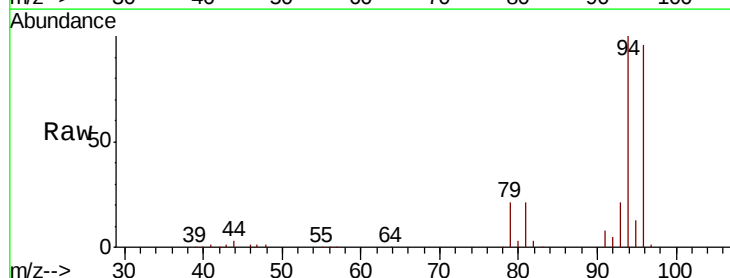
Acq: 03 Apr 2020 10:55

Tgt Ion: 94 Resp: 59084

Ion Ratio Lower Upper

94 100

96 95.6 64.4 119.6



Abundance Ion 94.00 (93.70 to 94.70): VU037561.D (-156) (-)

Ion 96.00 (95.70 to 96.70): VU037561.D (-156) (-)

1.86

50000

40000

30000

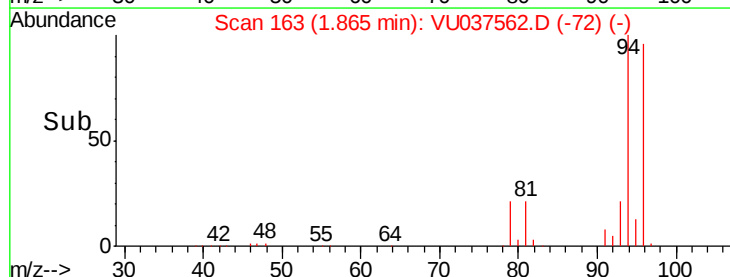
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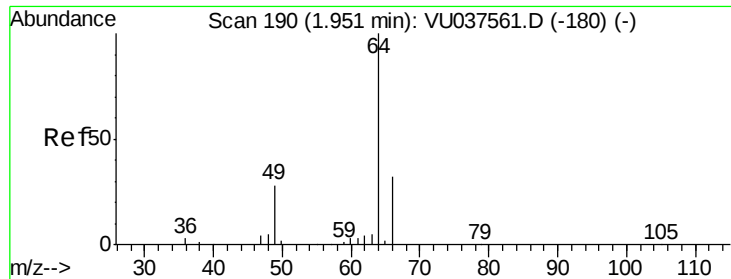
10000

0

1.80 1.85 1.90

Time-->





#8

Chloroethane

Concen: 91.545 ug/L

RT: 1.95 min Scan# 189

Delta R.T. -0.00 min

Lab File: VU037562.D

Acq: 03 Apr 2020 10:55

Instrument :

MSVOA_U

ClientSampleId :

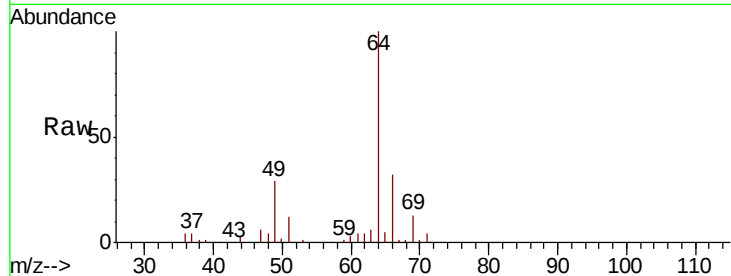
VSTD10033

Tot Ion: 64 Resp: 68653

Ion Ratio Lower Upper

64 100

66 32.1 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) (-)

1.95

60000

50000

40000

30000

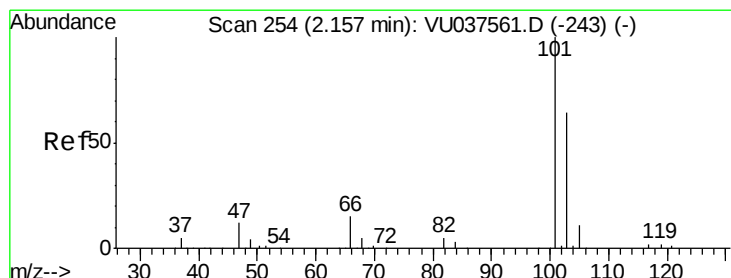
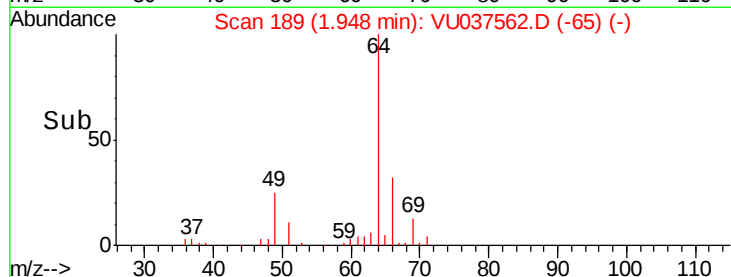
20000

10000

0

1.90 1.95 2.00

Time-->



#9

Trichlorofluoromethane

Concen: 94.026 ug/L

RT: 2.16 min Scan# 254

Delta R.T. 0.00 min

Lab File: VU037562.D

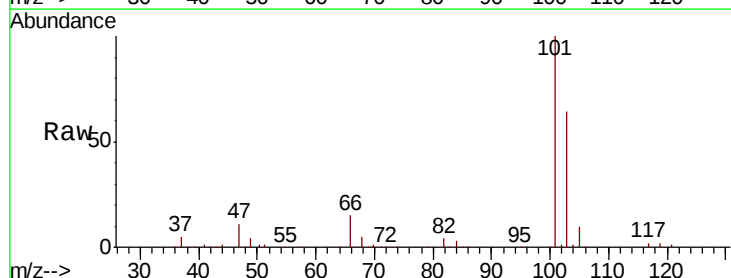
Acq: 03 Apr 2020 10:55

Tgt Ion:101 Resp: 169624

Ion Ratio Lower Upper

101 100

103 63.8 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) (-)

2.16

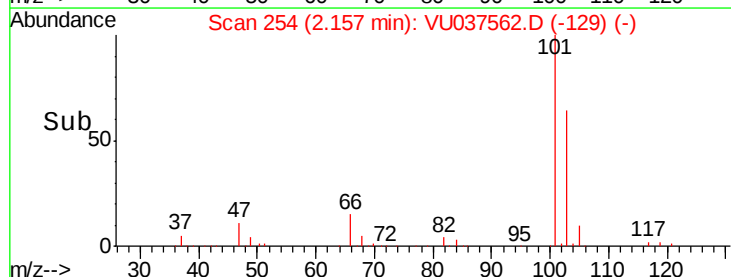
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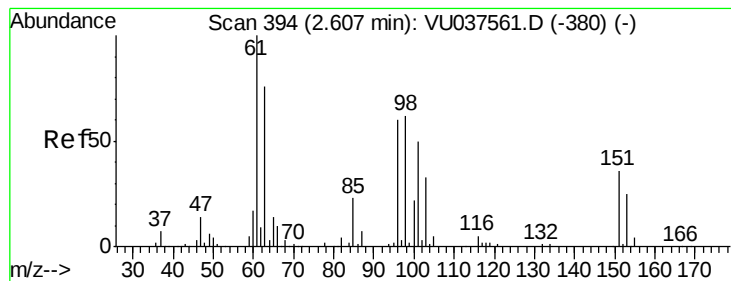
50000

0

2.10 2.15 2.20

Time-->





#10

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

Concen: 91.654 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU037562.D

Acq: 03 Apr 2020 10:55

Instrument :

MSVOA_U

ClientSampleId :

VSTD10033

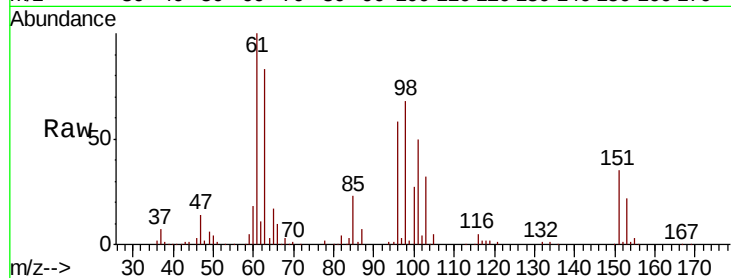
Tot Ion:101 Resp: 94310

Ion Ratio Lower Upper

101 100

85 47.5 35.4 53.2

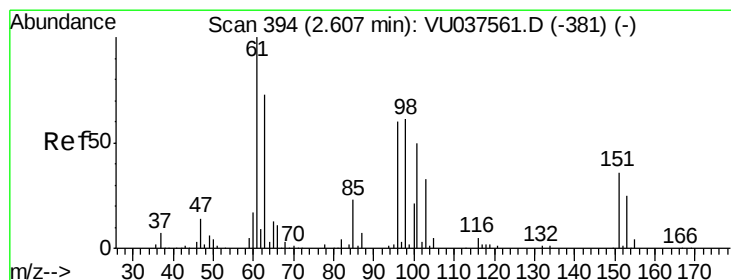
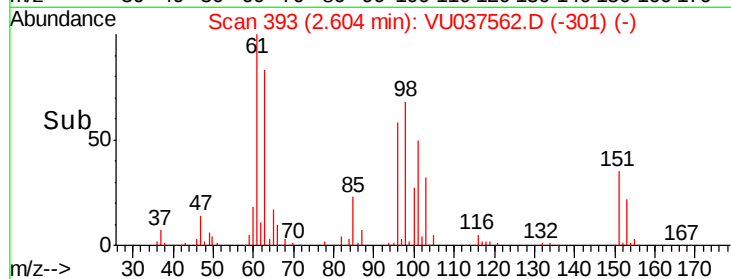
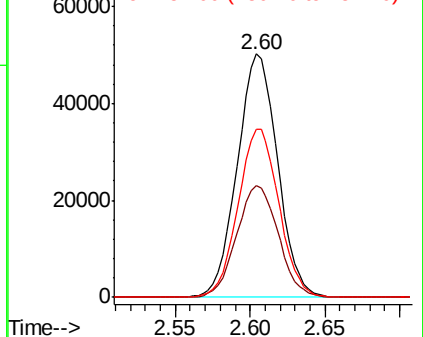
151 70.0 55.3 82.9



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: 95.060 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU037562.D

Acq: 03 Apr 2020 10:55

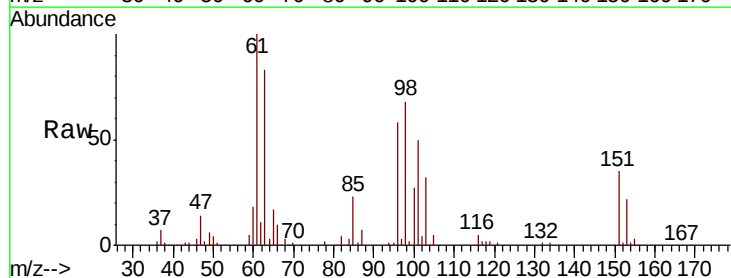
Tgt Ion: 96 Resp: 94951

Ion Ratio Lower Upper

96 100

61 171.7 117.2 217.8

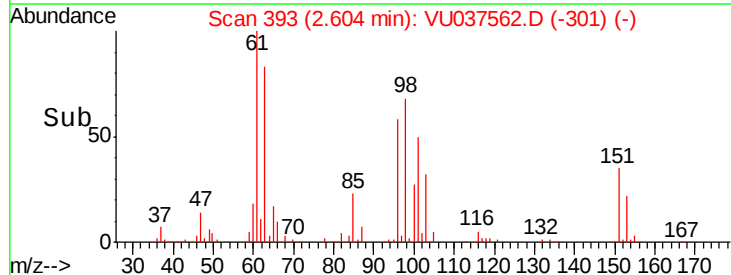
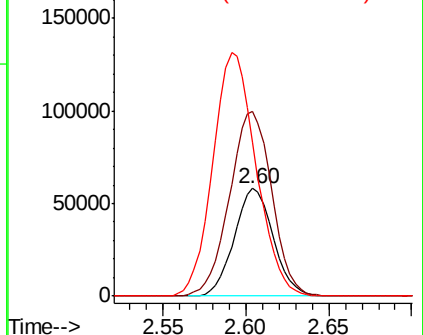
63 142.7 90.9 168.9

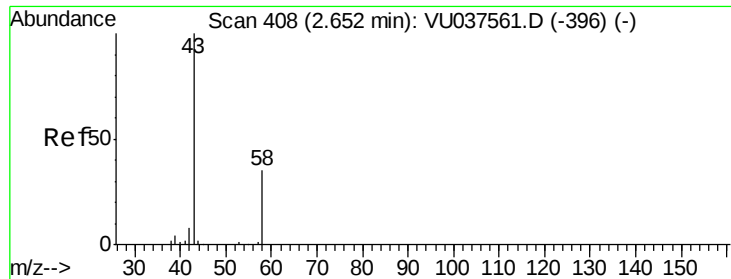


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 175.080 ug/L

RT: 2.66 min Scan# 409

Delta R.T. 0.00 min

Lab File: VU037562.D

Acq: 03 Apr 2020 10:55

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MSVOA_U

ClientSampleId :

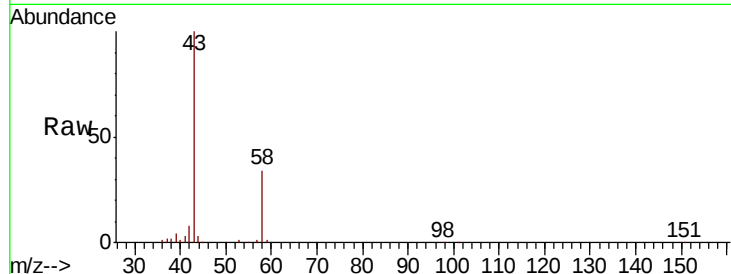
VSTD10033

Tot Ion: 43 Resp: 115353

Ion Ratio Lower Upper

43 100

58 33.8 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

80000

60000

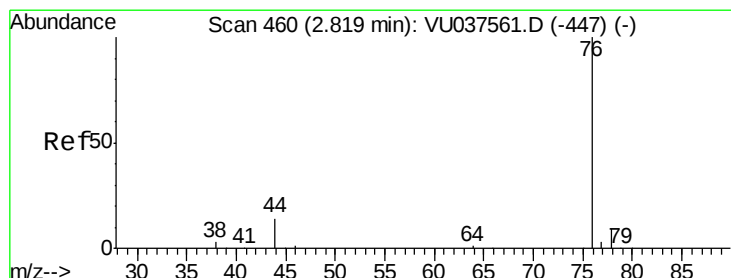
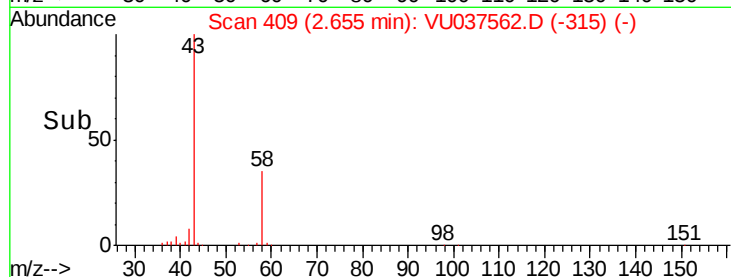
40000

20000

0

Time-->

2.60 2.65 2.70 2.75



#14

Carbon disulfide

Concen: 92.160 ug/L

RT: 2.82 min Scan# 460

Delta R.T. 0.00 min

Lab File: VU037562.D

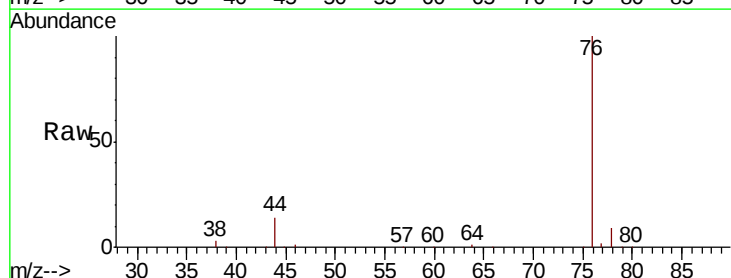
Acq: 03 Apr 2020 10:55

Tgt Ion: 76 Resp: 265906

Ion Ratio Lower Upper

76 100

78 9.4 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

150000

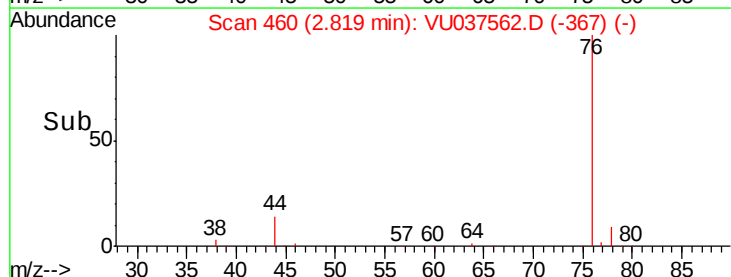
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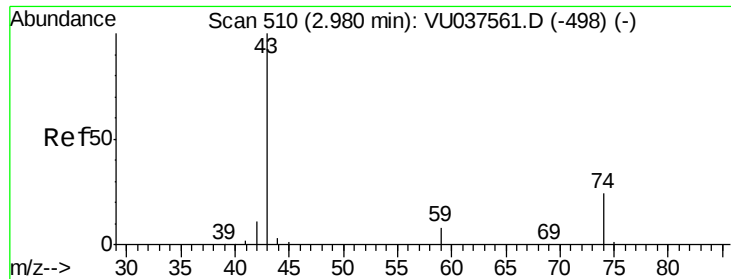
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0

Time-->

2.75 2.80 2.85 2.90

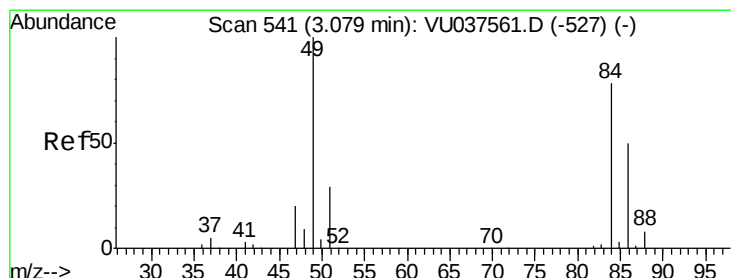
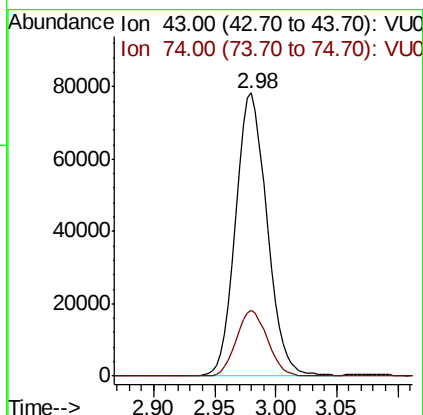
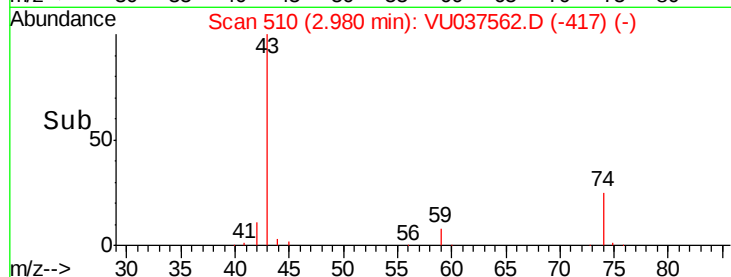
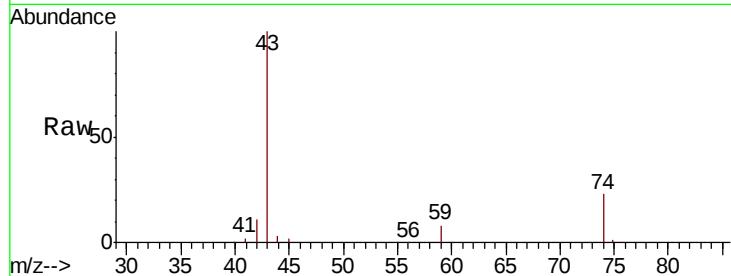




#15
Methyl Acetate
Concen: 93.176 ug/L
RT: 2.98 min Scan# 510
Delta R.T. 0.00 min
Lab File: VU037562.D
Acq: 03 Apr 2020 10:55

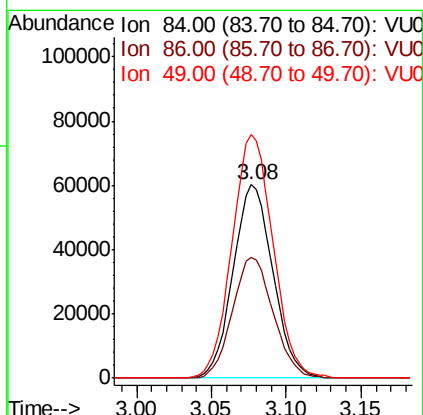
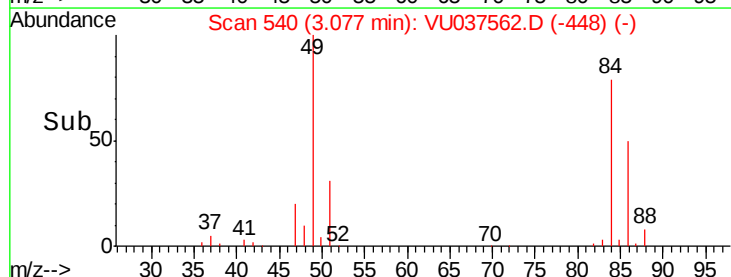
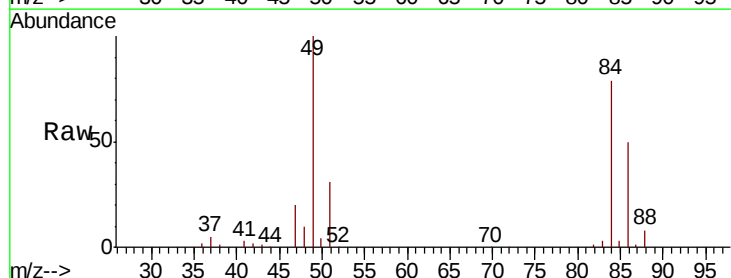
Instrument :
MSVOA_U
ClientSampleId :
VSTD10033

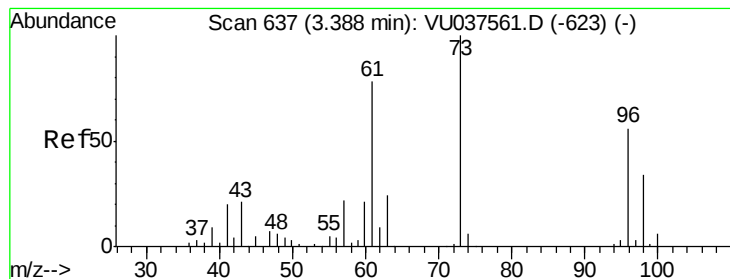
Tot Ion: 43 Resp: 139114
Ion Ratio Lower Upper
43 100
74 23.2 18.8 28.2



#16
Methylene chloride
Concen: 92.148 ug/L
RT: 3.08 min Scan# 540
Delta R.T. -0.00 min
Lab File: VU037562.D
Acq: 03 Apr 2020 10:55

Tgt Ion: 84 Resp: 111644
Ion Ratio Lower Upper
84 100
86 62.5 44.8 83.2
49 126.1 89.7 166.5





#17

trans-1,2-Dichloroethene

Concen: 90.875 ug/L

RT: 3.39 min Scan# 637

Delta R.T. 0.00 min

Lab File: VU037562.D

Acq: 03 Apr 2020 10:55

Instrument :

MSVOA_U

ClientSampleId :

VSTD10033

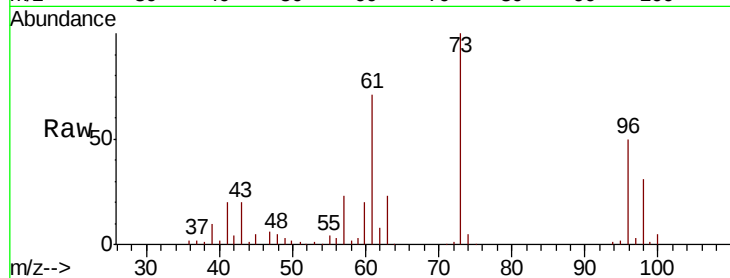
Tot Ion: 96 Resp: 97744

Ion Ratio Lower Upper

96 100

61 143.0 97.3 180.7

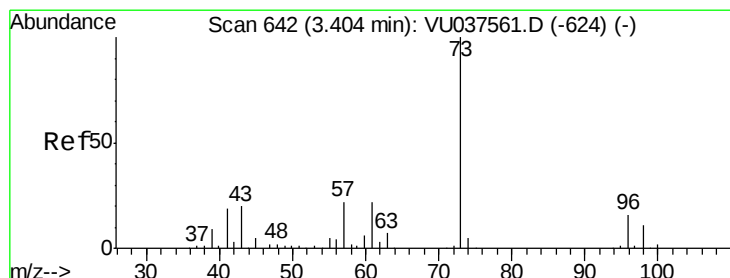
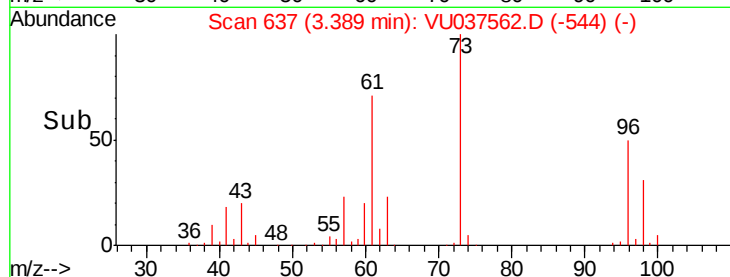
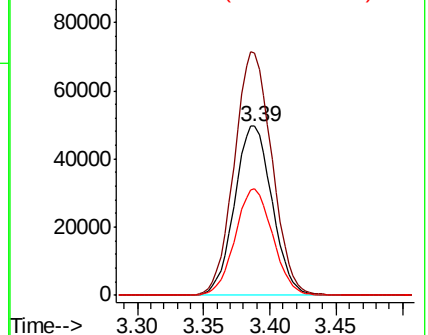
98 62.7 42.7 79.3



Abundance Ion 96.00 (95.70 to 96.70): VU037561.D (-623) (-)

Ion 61.00 (60.70 to 61.70): VU037561.D (-623) (-)

Ion 98.00 (97.70 to 98.70): VU037561.D (-623) (-)



#18

Methyl tert-butyl Ether

Concen: 94.146 ug/L

RT: 3.40 min Scan# 642

Delta R.T. 0.00 min

Lab File: VU037562.D

Acq: 03 Apr 2020 10:55

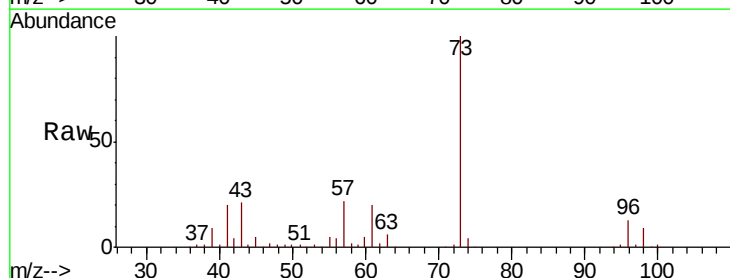
Tgt Ion: 73 Resp: 354959

Ion Ratio Lower Upper

73 100

43 20.8 16.4 24.6

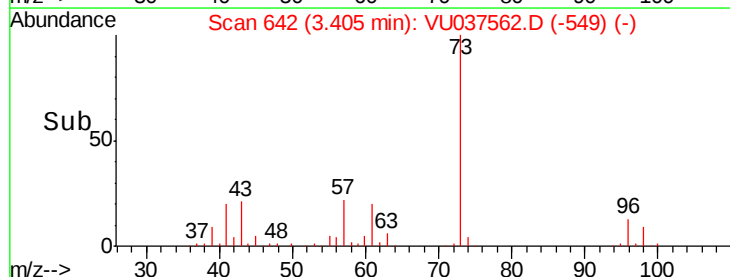
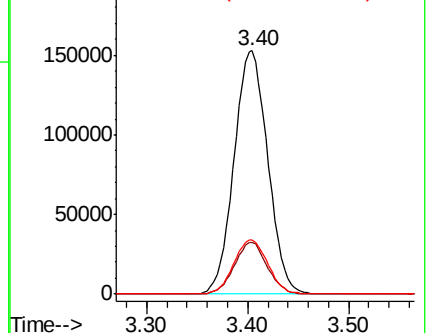
57 22.5 17.7 26.5

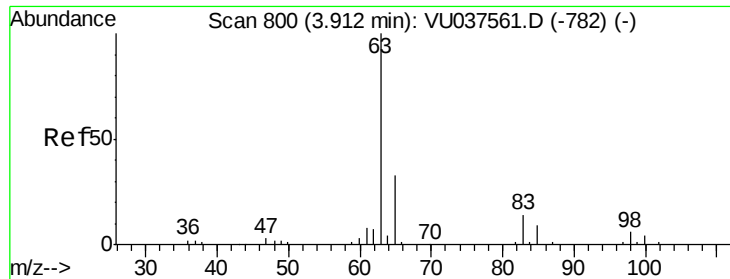


Abundance Ion 73.00 (72.70 to 73.70): VU037561.D (-624) (-)

Ion 43.00 (42.70 to 43.70): VU037561.D (-624) (-)

Ion 57.00 (56.70 to 57.70): VU037561.D (-624) (-)

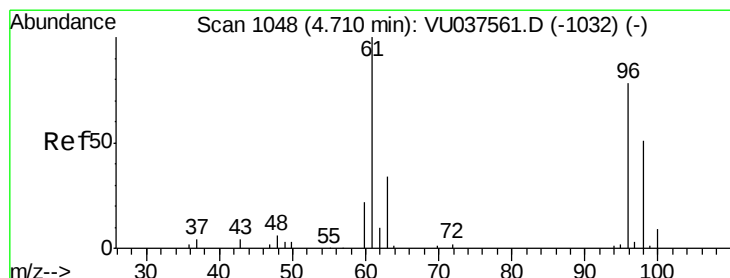
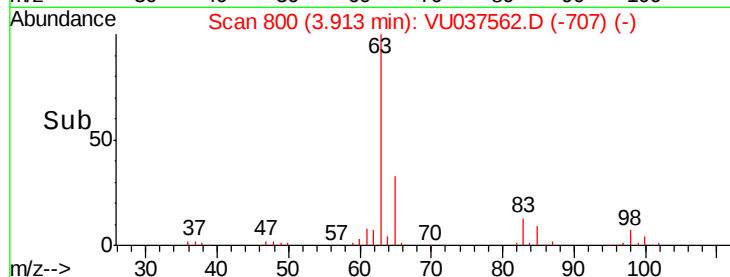
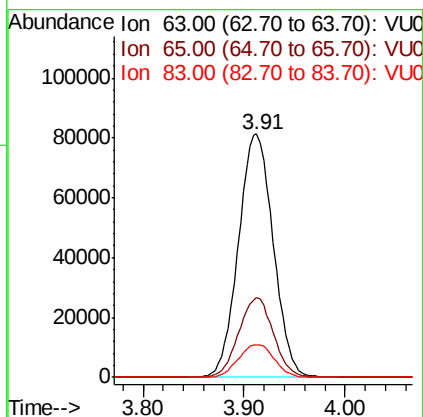
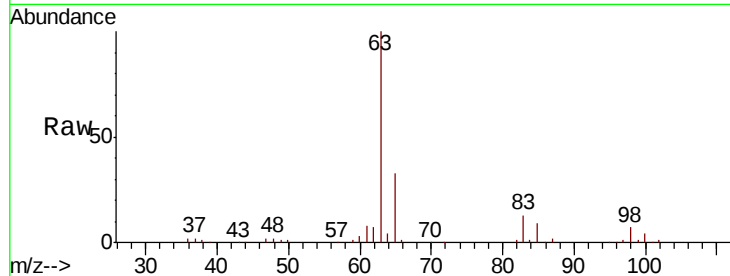




#19
 1,1-Dichloroethane
 Concen: 91.993 ug/L
 RT: 3.91 min Scan# 800
 Delta R.T. 0.00 min
 Lab File: VU037562.D
 Acq: 03 Apr 2020 10:55

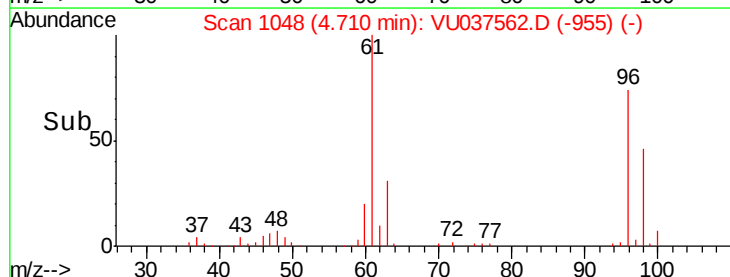
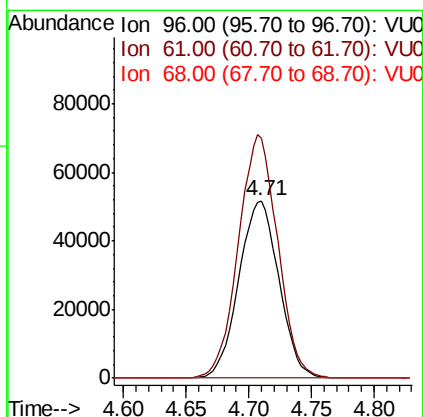
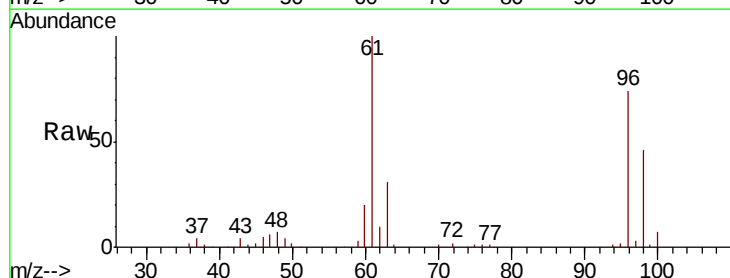
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10033

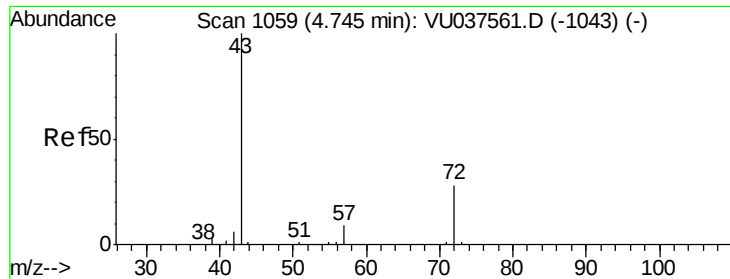
Tot Ion: 63 Resp: 193859
 Ion Ratio Lower Upper
 63 100
 65 32.8 23.2 43.2
 83 13.3 9.6 17.8



#20
 cis-1,2-Dichloroethene
 Concen: 92.836 ug/L
 RT: 4.71 min Scan# 1048
 Delta R.T. 0.00 min
 Lab File: VU037562.D
 Acq: 03 Apr 2020 10:55

Tgt Ion: 96 Resp: 114988
 Ion Ratio Lower Upper
 96 100
 61 135.0 90.2 167.6
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 186.929 ug/L

RT: 4.75 min Scan# 1059

Delta R.T. 0.00 min

Lab File: VU037562.D

Acq: 03 Apr 2020 10:55

Instrument :

MSVOA_U

ClientSampleId :

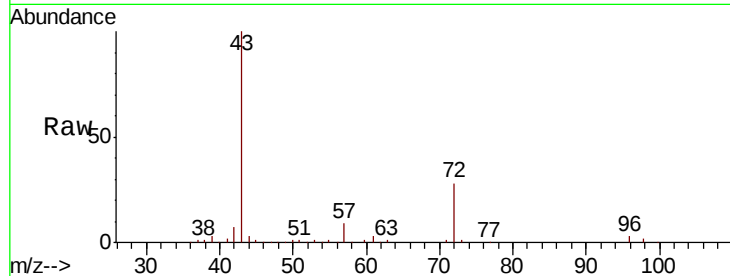
VSTD10033

Tot Ion: 43 Resp: 201020

Ion Ratio Lower Upper

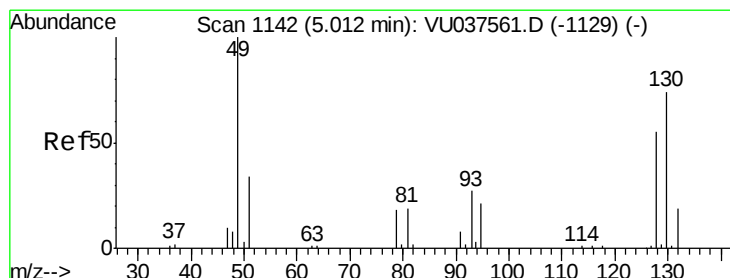
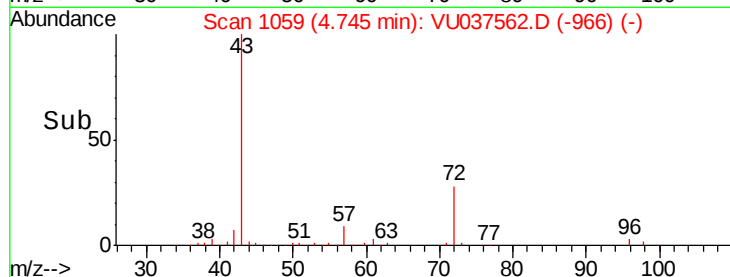
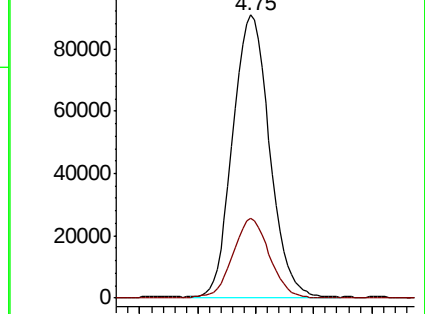
43 100

72 28.1 13.8 41.4



Abundance Ion 43.00 (42.70 to 43.70): VU037562.D (-966) (-)

Ion 72.00 (71.70 to 72.70): VU037562.D (-966) (-)



#23

Bromochloromethane

Concen: 92.506 ug/L

RT: 5.02 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VU037562.D

Acq: 03 Apr 2020 10:55

Tgt Ion:128 Resp: 54995

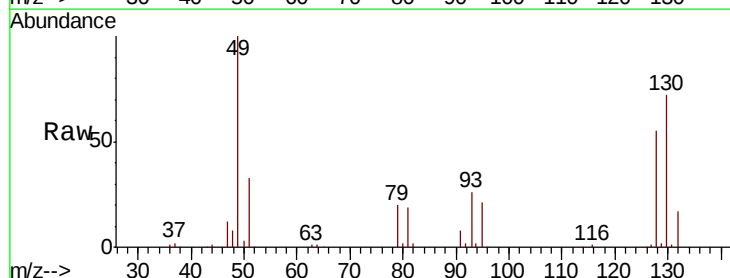
Ion Ratio Lower Upper

128 100

49 182.0 127.3 236.5

130 131.1 93.9 174.5

51 60.4 49.4 74.0

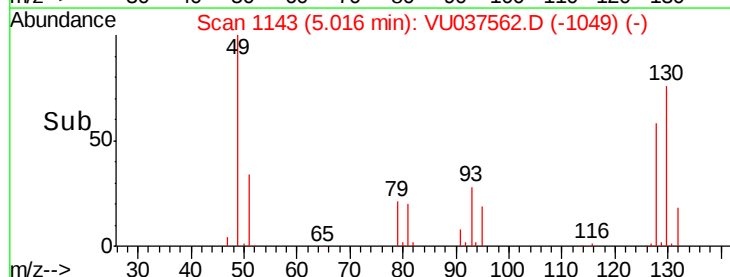
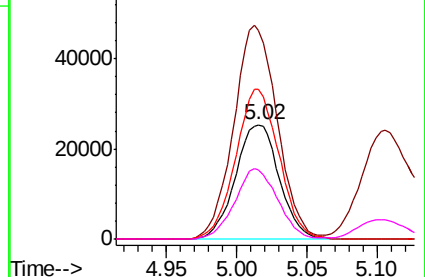


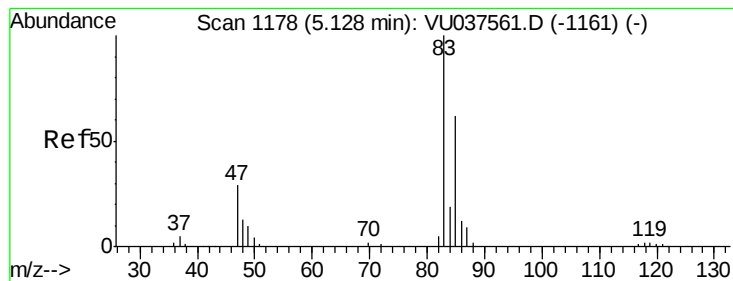
Abundance Ion 128.00 (127.70 to 128.70): VU037562.D (-1049) (-)

Ion 49.00 (48.70 to 49.70): VU037562.D (-1049) (-)

Ion 130.00 (129.70 to 130.70): VU037562.D (-1049) (-)

Ion 51.00 (50.70 to 51.70): VU037562.D (-1049) (-)





#25

Chloroform

Concen: 90.338 ug/L

RT: 5.13 min Scan# 1178

Delta R.T. 0.00 min

Lab File: VU037562.D

Acq: 03 Apr 2020 10:55

Instrument :

MSVOA_U

ClientSampleId :

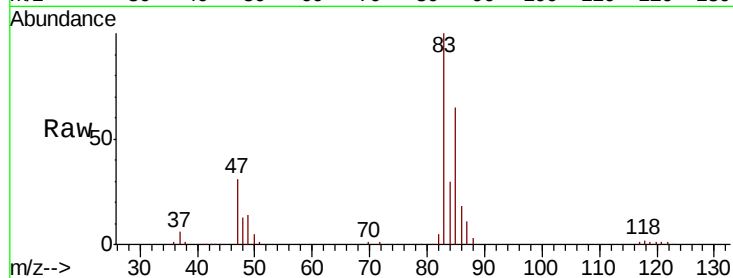
VSTD10033

Tot Ion: 83 Resp: 198485

Ion Ratio Lower Upper

83 100

85 65.3 43.7 81.1



Abundance Ion 83.00 (82.70 to 83.70): VU037561.D (-1161) (-)

Ion 85.00 (84.70 to 85.70): VU037561.D (-1161) (-)

5.13

100000

80000

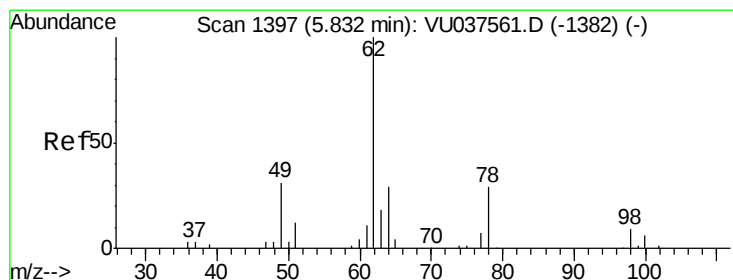
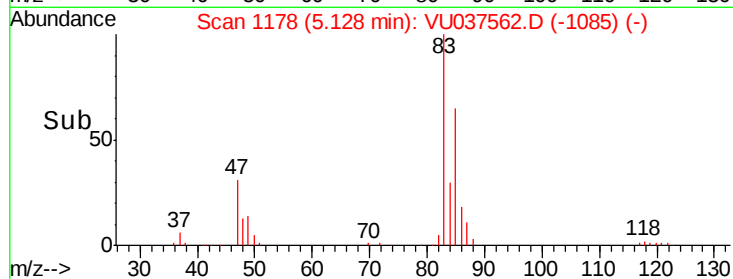
60000

40000

20000

0

Time-->



#27

1,2-Dichloroethane

Concen: 94.038 ug/L

RT: 5.83 min Scan# 1396

Delta R.T. -0.00 min

Lab File: VU037562.D

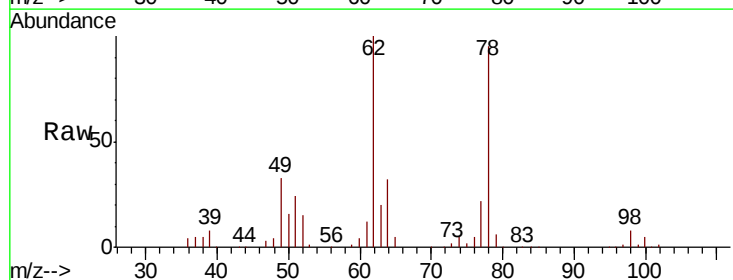
Acq: 03 Apr 2020 10:55

Tgt Ion: 62 Resp: 159457

Ion Ratio Lower Upper

62 100

98 8.4 7.1 10.7



Abundance Ion 62.00 (61.70 to 62.70): VU037561.D (-1382) (-)

Ion 98.00 (97.70 to 98.70): VU037561.D (-1382) (-)

5.83

80000

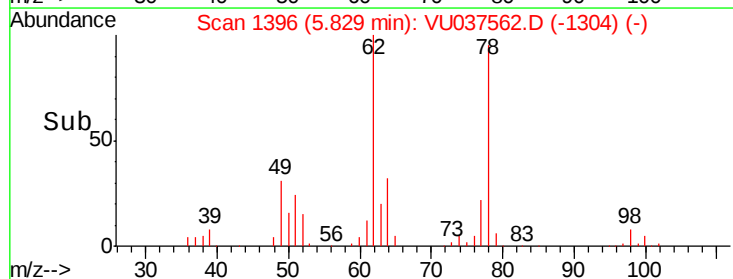
60000

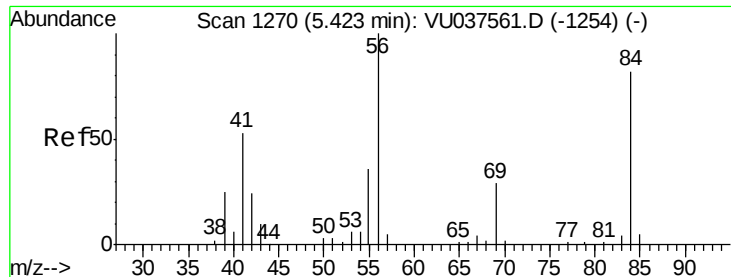
40000

20000

0

Time-->

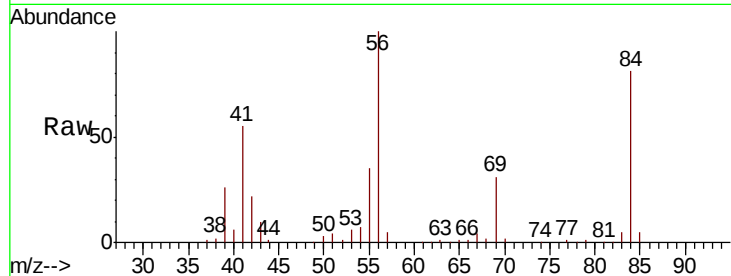




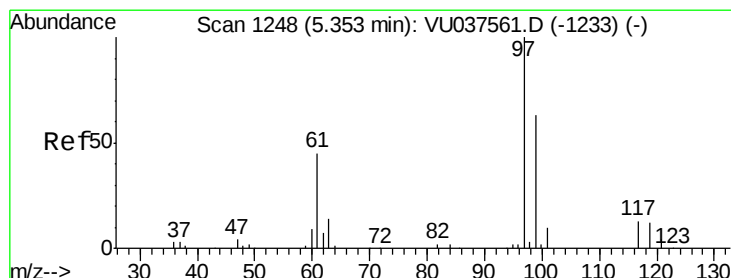
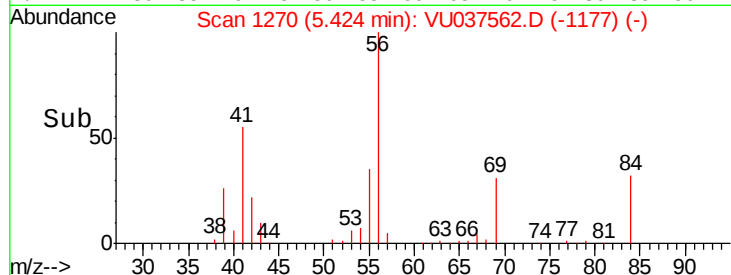
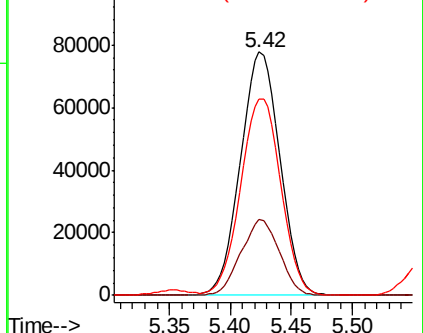
#29
Cyclohexane
Concen: 93.668 ug/L
RT: 5.42 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VU037562.D
Acq: 03 Apr 2020 10:55

Instrument :
MSVOA_U
ClientSampleId :
VSTD10033

Tot Ion: 56 Resp: 174277
Ion Ratio Lower Upper
56 100
69 30.1 23.8 35.6
84 82.2 65.4 98.0

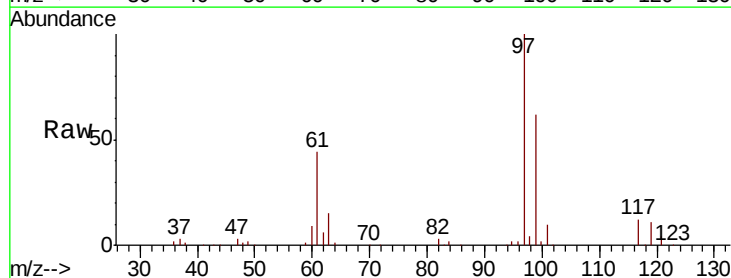


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

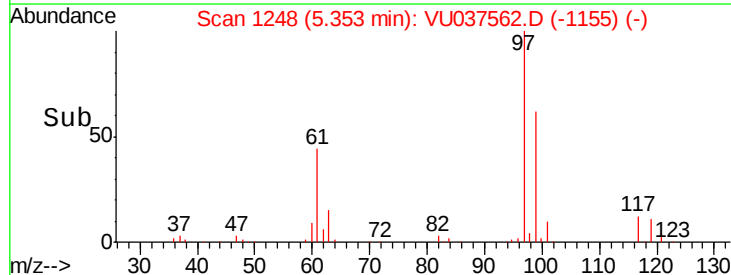
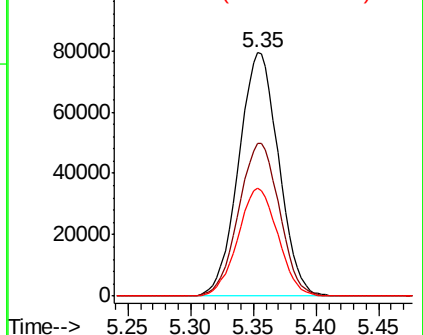


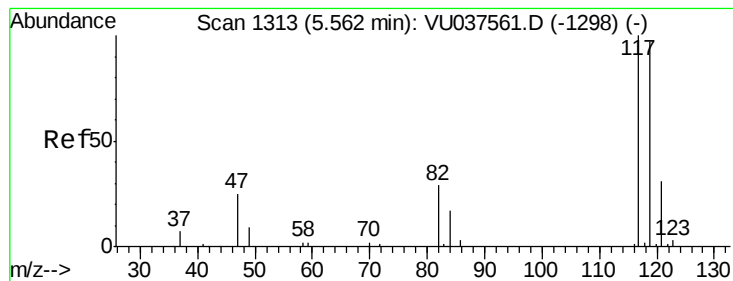
#30
1,1,1-Trichloroethane
Concen: 93.528 ug/L
RT: 5.35 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VU037562.D
Acq: 03 Apr 2020 10:55

Tgt Ion: 97 Resp: 176011
Ion Ratio Lower Upper
97 100
99 63.9 50.6 75.8
61 44.2 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: 93.496 ug/L

RT: 5.56 min Scan# 1313

Delta R.T. 0.00 min

Lab File: VU037562.D

Acq: 03 Apr 2020 10:55

Instrument :

MSVOA_U

ClientSampleId :

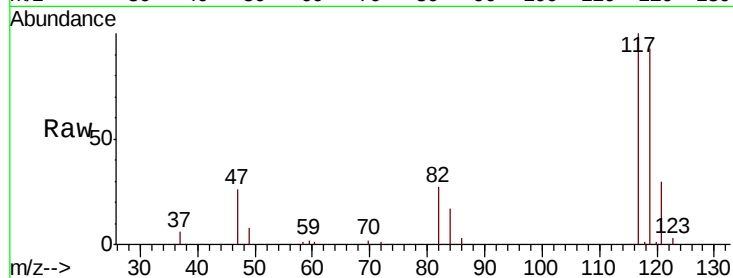
VSTD10033

Tot Ion:117 Resp: 144813

Ion Ratio Lower Upper

117 100

119 96.7 77.8 116.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

5.56

80000

60000

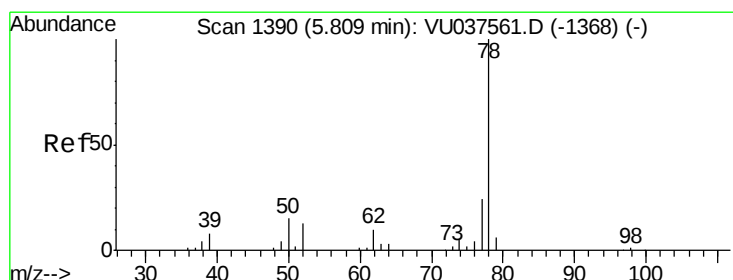
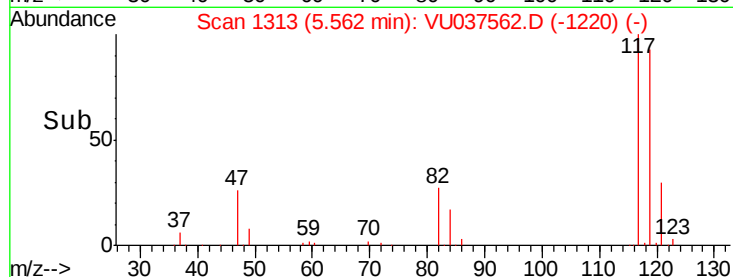
40000

20000

0

Time-->

5.50 5.55 5.60 5.65



#33

Benzene

Concen: 93.561 ug/L

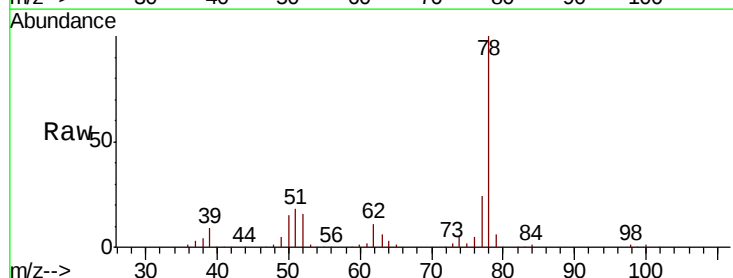
RT: 5.81 min Scan# 1390

Delta R.T. 0.00 min

Lab File: VU037562.D

Acq: 03 Apr 2020 10:55

Tgt Ion: 78 Resp: 435225



Abundance Ion 78.00 (77.70 to 78.70): VU0

250000

200000

150000

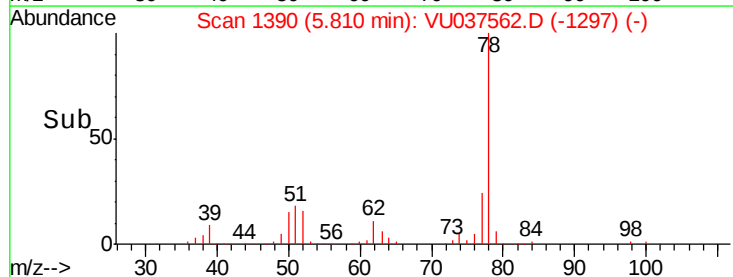
100000

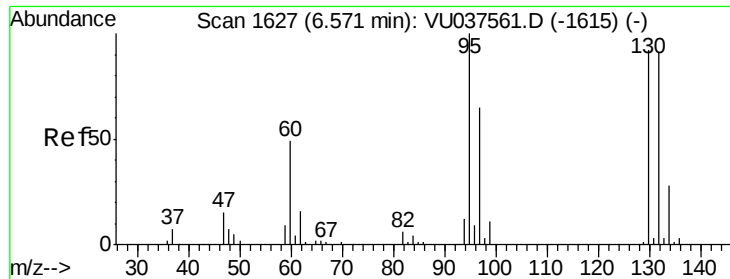
50000

0

Time-->

5.70 5.80 5.90





#34

Trichloroethene

Concen: 91.205 ug/L

RT: 6.57 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VU037562.D

Acq: 03 Apr 2020 10:55

Instrument :

MSVOA_U

ClientSampleId :

VSTD10033

Tot Ion: 95 Resp: 110937

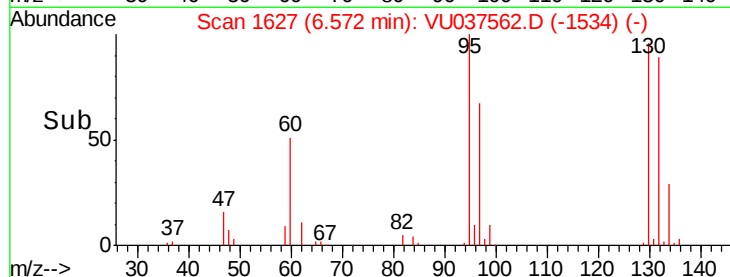
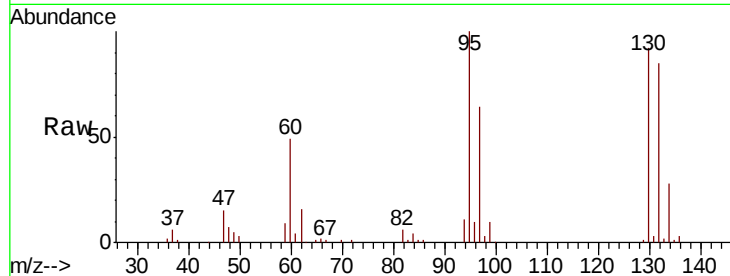
Ion Ratio Lower Upper

95 100

97 64.5 45.2 84.0

132 84.6 63.7 118.3

130 91.7 64.5 119.7

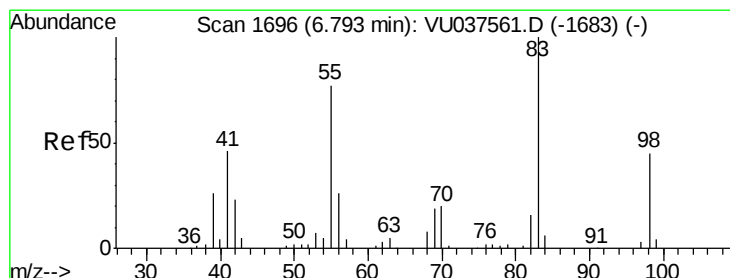
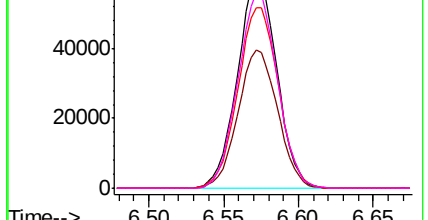


Abundance Ion 95.00 (94.70 to 95.70): VU037561.D (-1615) (-)

Ion 97.00 (96.70 to 97.70): VU037561.D (-1615) (-)

Ion 132.00 (131.70 to 132.70): VU037561.D (-1615) (-)

Ion 130.00 (129.70 to 130.70): VU037561.D (-1615) (-)



#35

Methylcyclohexane

Concen: 90.902 ug/L

RT: 6.79 min Scan# 1695

Delta R.T. -0.00 min

Lab File: VU037562.D

Acq: 03 Apr 2020 10:55

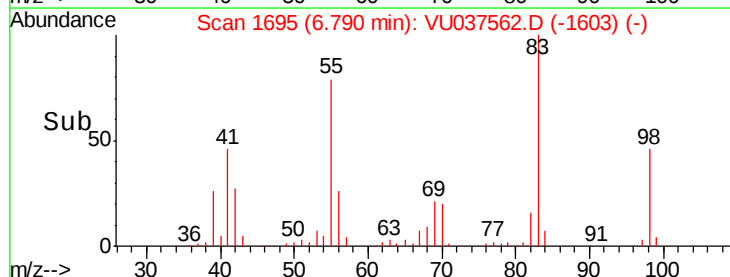
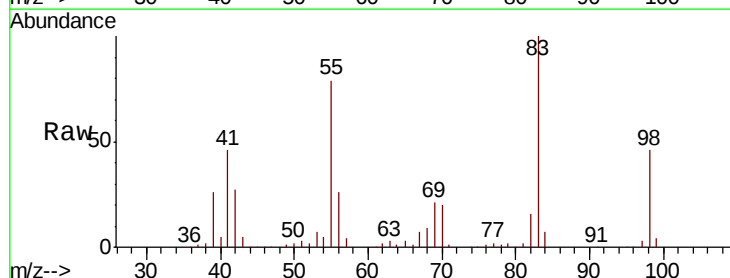
Tgt Ion: 83 Resp: 170838

Ion Ratio Lower Upper

83 100

55 78.7 61.1 91.7

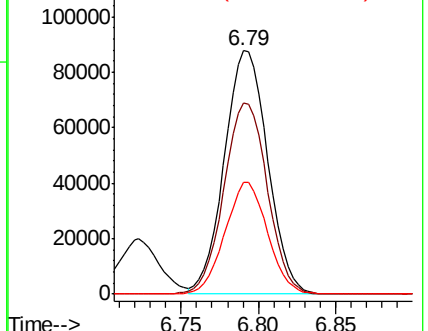
98 45.1 35.3 52.9

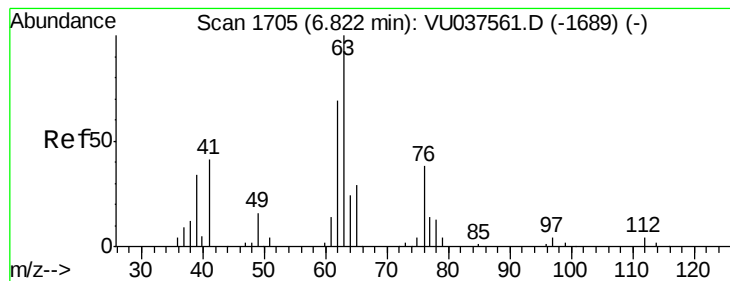


Abundance Ion 83.00 (82.70 to 83.70): VU037561.D (-1683) (-)

Ion 55.00 (54.70 to 55.70): VU037561.D (-1683) (-)

Ion 98.00 (97.70 to 98.70): VU037561.D (-1683) (-)





#37

1,2-Dichloropropane

Concen: 91.280 ug/L

RT: 6.82 min Scan# 1705

Delta R.T. 0.00 min

Lab File: VU037562.D

Acq: 03 Apr 2020 10:55

Instrument :

MSVOA_U

ClientSampled :

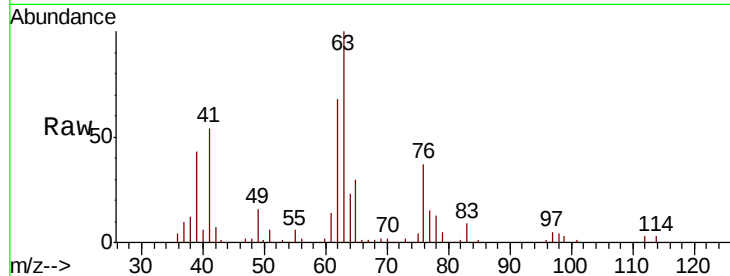
VSTD10033

Tot Ion: 63 Resp: 120984

Ion Ratio Lower Upper

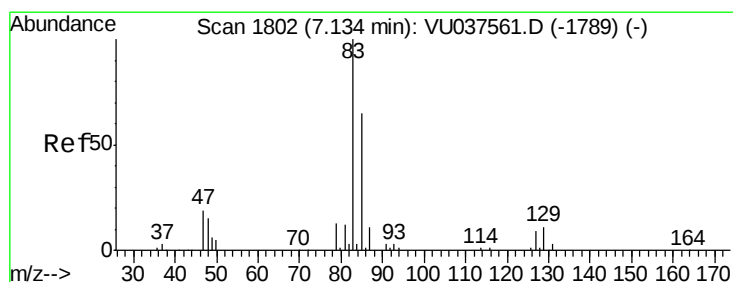
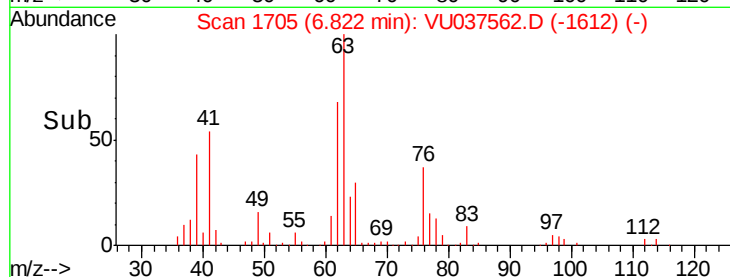
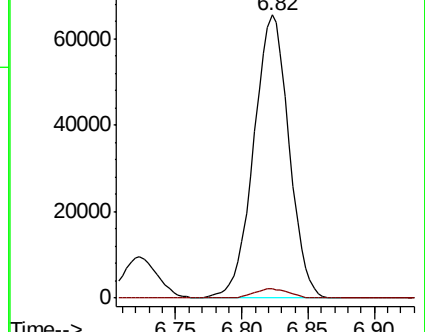
63 100

112 3.2 3.1 4.7



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

Ion 112.00 (111.70 to 112.70): VU037561.D (-1689) (-)



#38

Bromodichloromethane

Concen: 93.934 ug/L

RT: 7.13 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VU037562.D

Acq: 03 Apr 2020 10:55

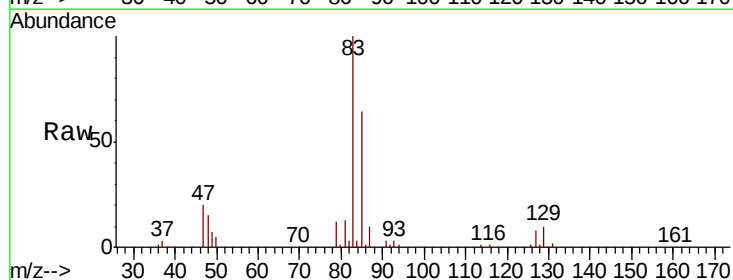
Tgt Ion: 83 Resp: 161928

Ion Ratio Lower Upper

83 100

85 64.1 45.2 84.0

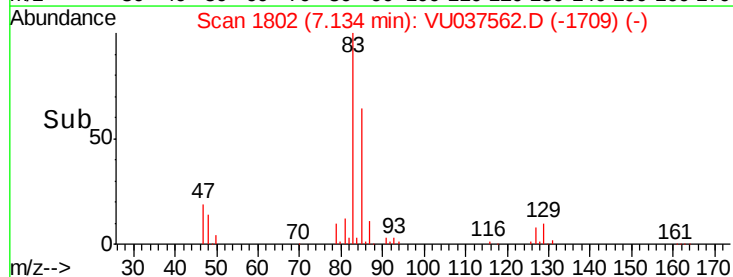
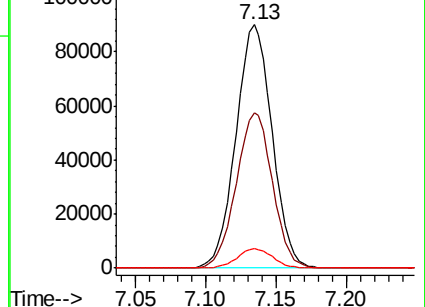
127 8.1 7.0 10.4

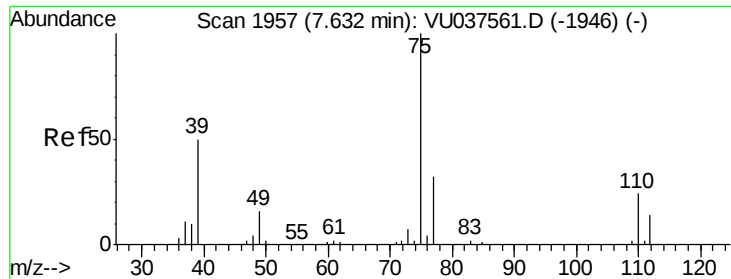


Abundance Ion 83.00 (82.70 to 83.70): VU037561.D (-1789) (-)

Ion 85.00 (84.70 to 85.70): VU037561.D (-1789) (-)

Ion 127.00 (126.70 to 127.70): VU037561.D (-1789) (-)

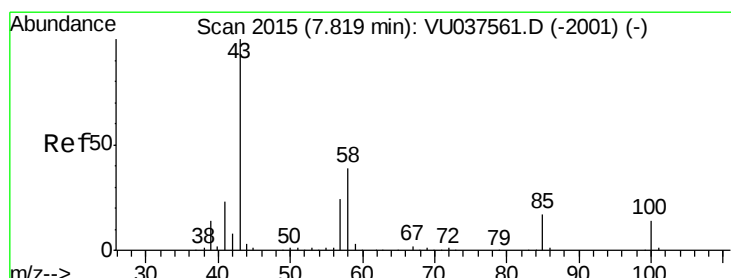
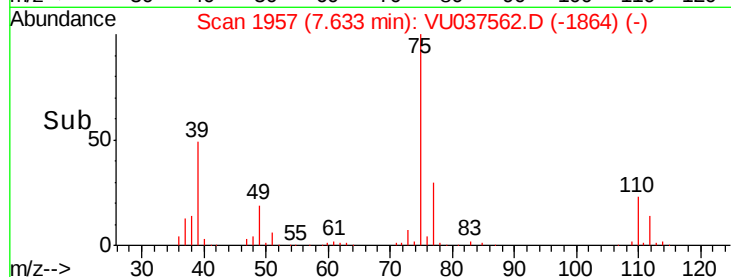
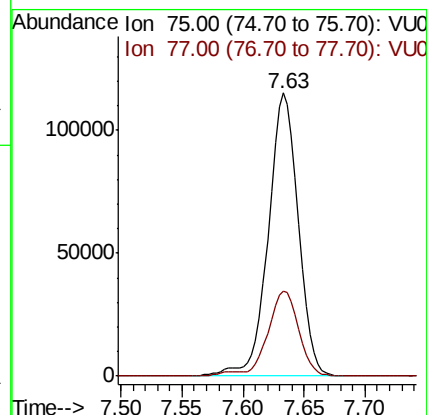
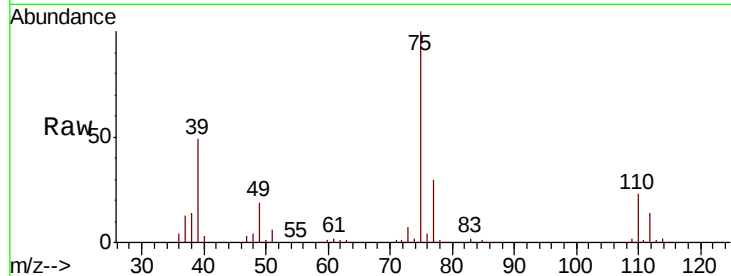




#39
 cis-1,3-Dichloropropene
 Concen: 95.565 ug/L
 RT: 7.63 min Scan# 1957
 Delta R.T. 0.00 min
 Lab File: VU037562.D
 Acq: 03 Apr 2020 10:55

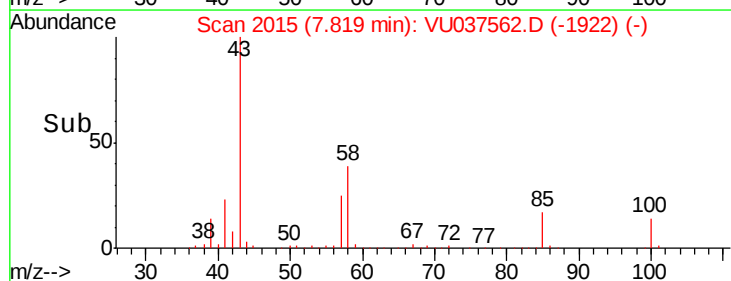
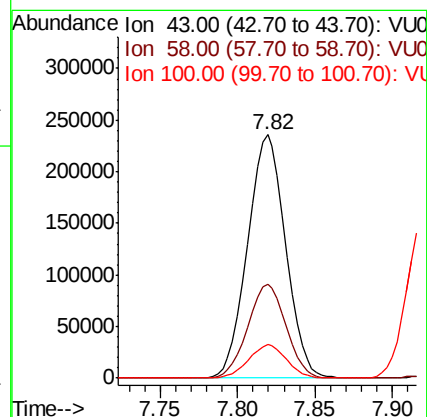
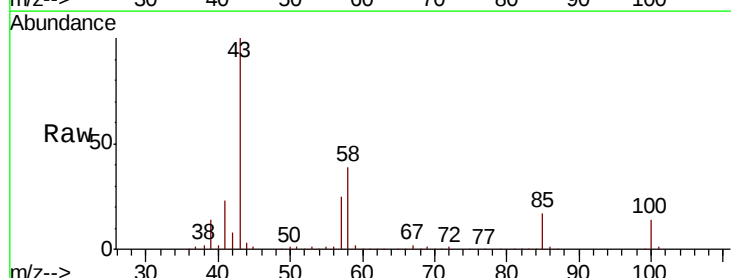
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10033

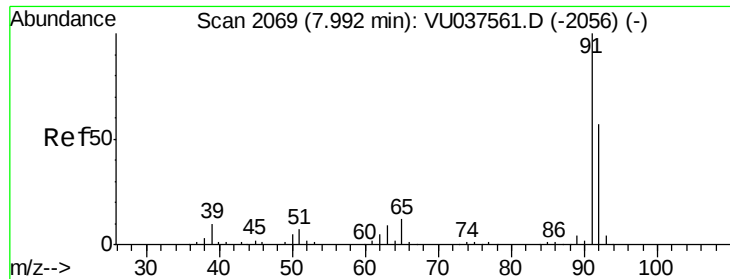
Tot Ion: 75 Resp: 197835
 Ion Ratio Lower Upper
 75 100
 77 30.3 22.5 41.7



#40
 4-Methyl-2-pentanone
 Concen: 187.702 ug/L
 RT: 7.82 min Scan# 2015
 Delta R.T. 0.00 min
 Lab File: VU037562.D
 Acq: 03 Apr 2020 10:55

Tgt Ion: 43 Resp: 403705
 Ion Ratio Lower Upper
 43 100
 58 38.9 31.4 47.0
 100 13.7 11.0 16.4





#42

Toluene

Concen: 92.446 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. 0.00 min

Lab File: VU037562.D

Acq: 03 Apr 2020 10:55

Instrument :

MSVOA_U

ClientSampleId :

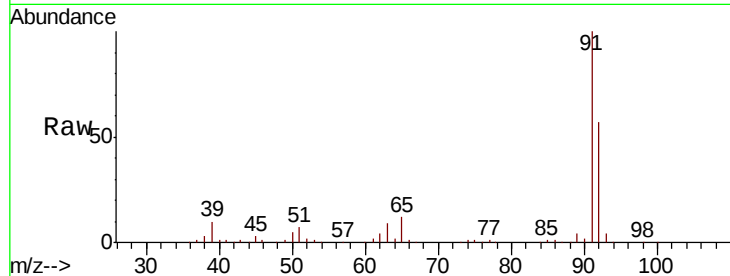
VSTD10033

Tot Ion: 91 Resp: 465366

Ion Ratio Lower Upper

91 100

92 57.5 39.7 73.7



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

Ion 92.00 (91.70 to 92.70): VU037562.D (-1976) (-)

7.99

300000

250000

200000

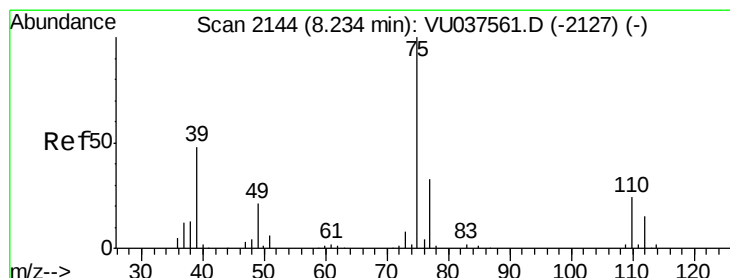
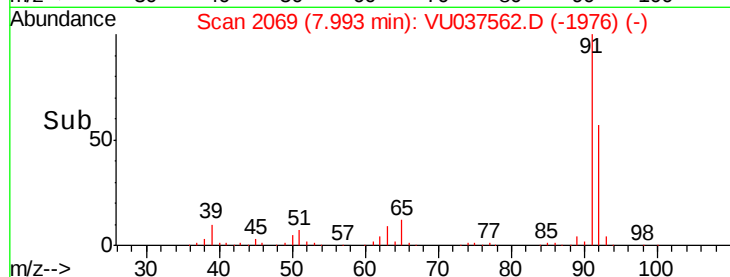
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 94.046 ug/L

RT: 8.23 min Scan# 2144

Delta R.T. 0.00 min

Lab File: VU037562.D

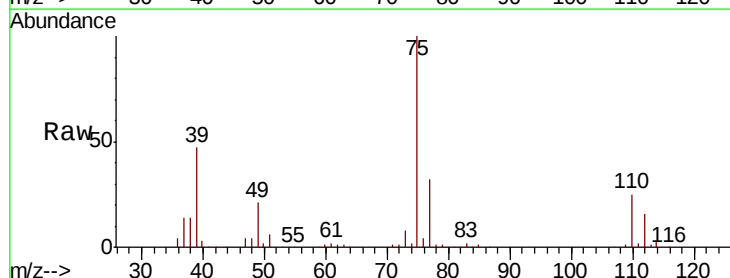
Acq: 03 Apr 2020 10:55

Tgt Ion: 75 Resp: 191728

Ion Ratio Lower Upper

75 100

77 31.6 23.4 43.6



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

Ion 77.00 (76.70 to 77.70): VU037562.D (-2051) (-)

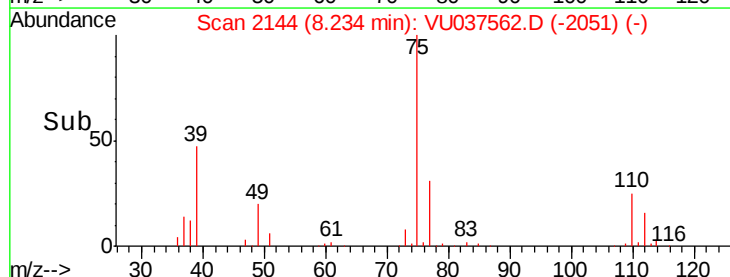
8.23

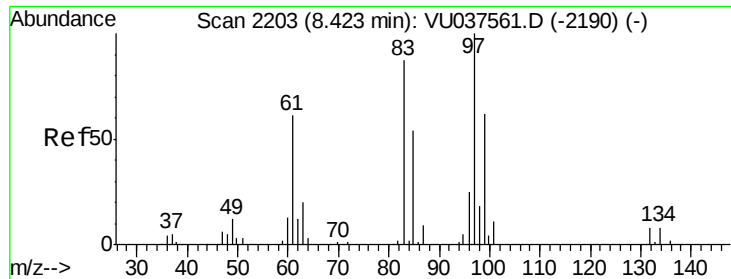
100000

50000

0

Time-->

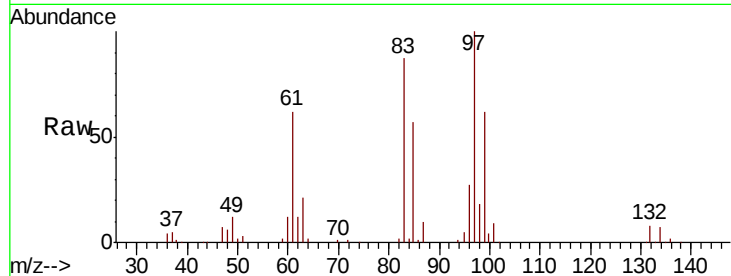




#45
 1,1,2-Trichloroethane
 Concen: 94.511 ug/L
 RT: 8.42 min Scan# 2203
 Delta R.T. 0.00 min
 Lab File: VU037562.D
 Acq: 03 Apr 2020 10:55

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10033

Tot Ion:	97	Resp:	114369
Ion	Ratio	Lower	Upper
97	100		
99	62.1	43.3	80.5
83	87.0	60.8	112.8
85	57.0	37.9	70.5



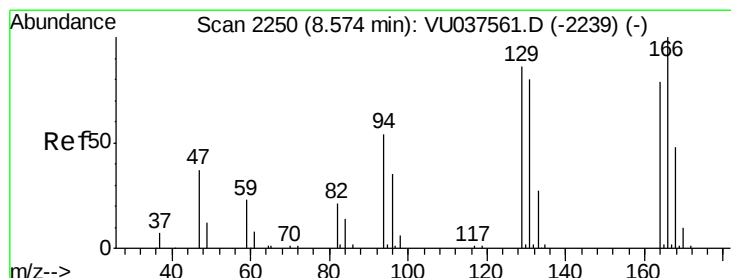
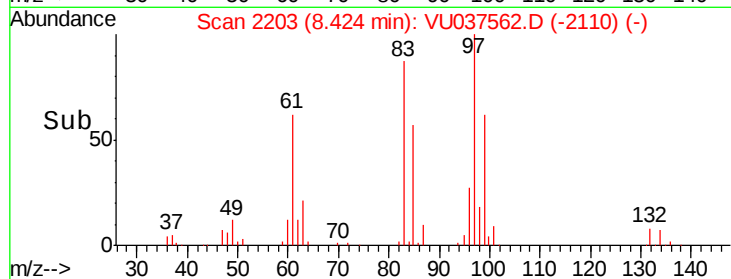
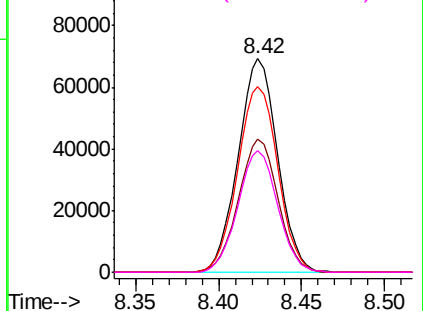
Abundance

Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

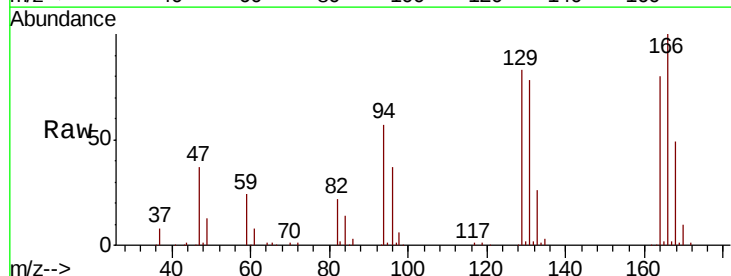
Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#46
 Tetrachloroethene
 Concen: 89.970 ug/L
 RT: 8.57 min Scan# 2250
 Delta R.T. 0.00 min
 Lab File: VU037562.D
 Acq: 03 Apr 2020 10:55

Tgt Ion:	164	Resp:	73479
Ion	Ratio	Lower	Upper
164	100		
129	104.3	76.5	142.1
131	97.4	71.7	133.1
166	125.3	88.8	165.0



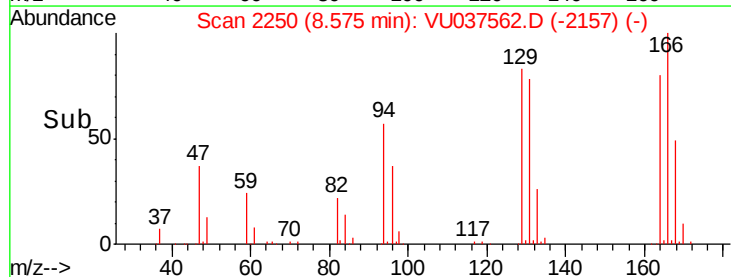
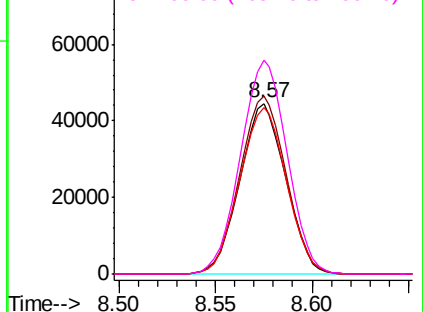
Abundance

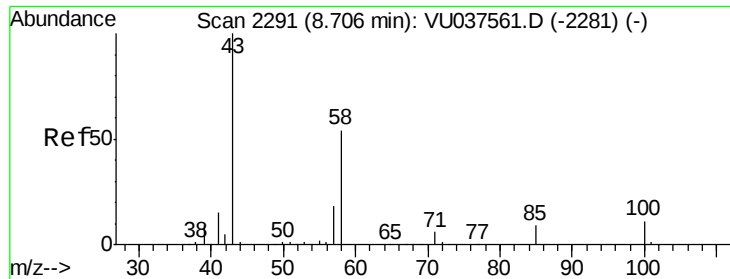
Ion 164.00 (163.70 to 164.70): V

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

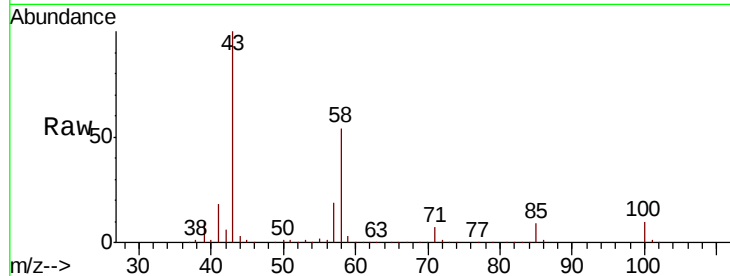




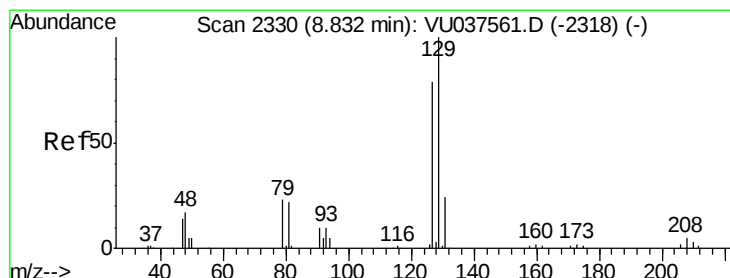
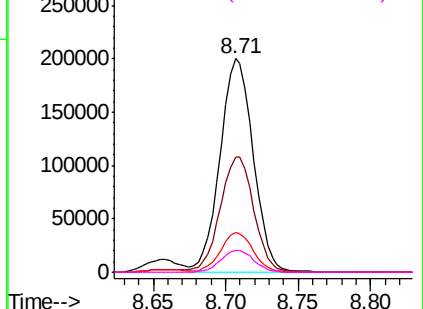
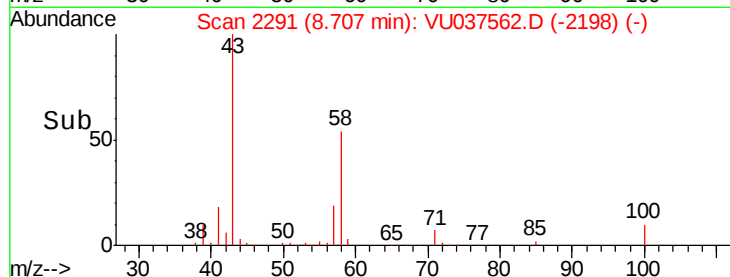
#48
2-Hexanone
Concen: 190.557 ug/L
RT: 8.71 min Scan# 2291
Delta R.T. 0.00 min
Lab File: VU037562.D
Acq: 03 Apr 2020 10:55

Instrument :
MSVOA_U
ClientSampleId :
VSTD10033

Tot Ion:	43	Resp:	318721
Ion	Ratio	Lower	Upper
43	100		
58	55.0	44.4	66.6
57	18.2	15.1	22.7
100	10.3	8.7	13.1

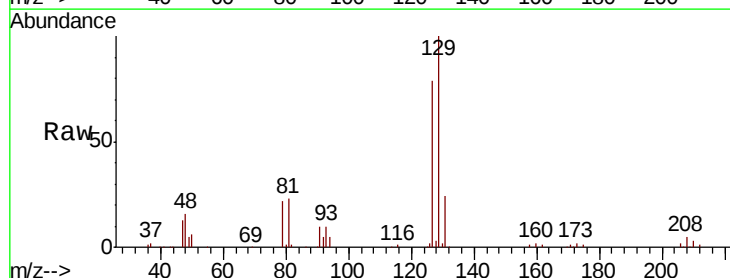


Abundance Ion 43.00 (42.70 to 43.70): VU037562.D (-2198) (-)
Ion 58.00 (57.70 to 58.70): VU037562.D (-2198) (-)
Ion 57.00 (56.70 to 57.70): VU037562.D (-2198) (-)
Ion 100.00 (99.70 to 100.70): VU037562.D (-2198) (-)

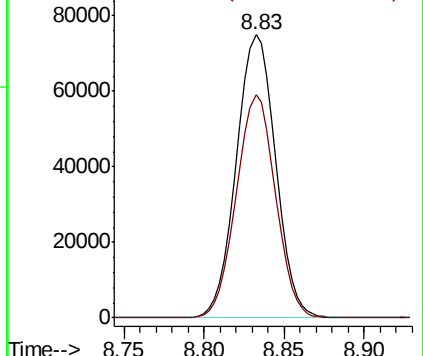
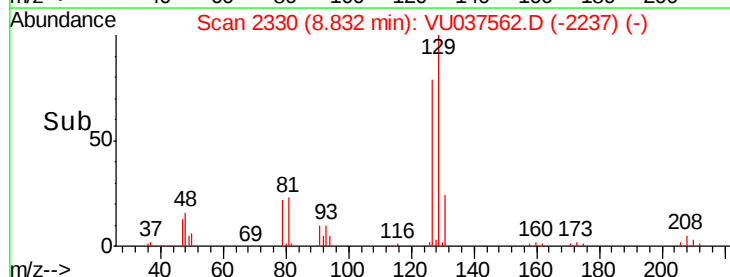


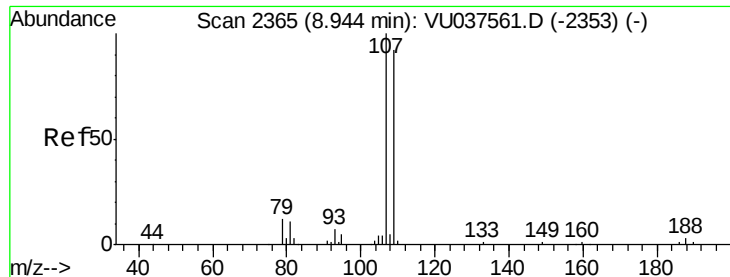
#49
Dibromochloromethane
Concen: 92.835 ug/L
RT: 8.83 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VU037562.D
Acq: 03 Apr 2020 10:55

Tgt Ion:	129	Resp:	125302
Ion	Ratio	Lower	Upper
129	100		
127	79.0	55.0	102.2



Abundance Ion 129.00 (128.70 to 129.70): VU037562.D (-2237) (-)
Ion 127.00 (126.70 to 127.70): VU037562.D (-2237) (-)

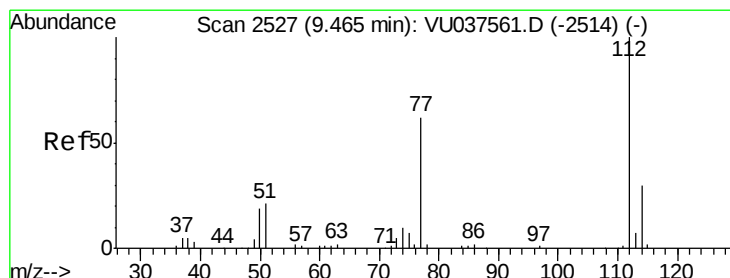
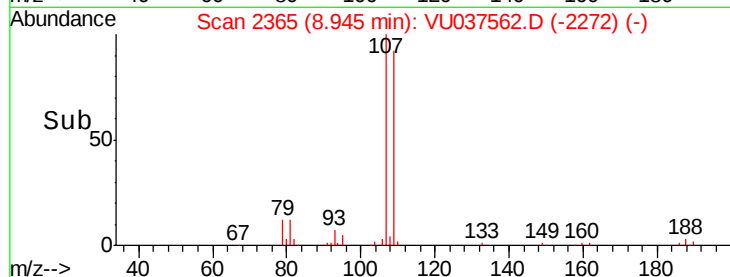
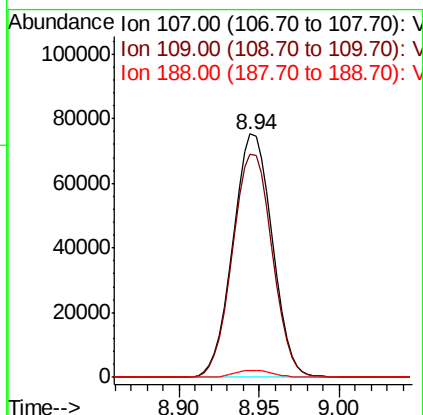
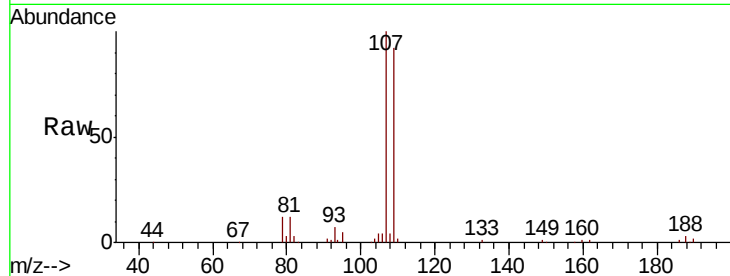




#50
 1,2-Dibromoethane
 Concen: 94.851 ug/L
 RT: 8.94 min Scan# 2365
 Delta R.T. 0.00 min
 Lab File: VU037562.D
 Acq: 03 Apr 2020 10:55

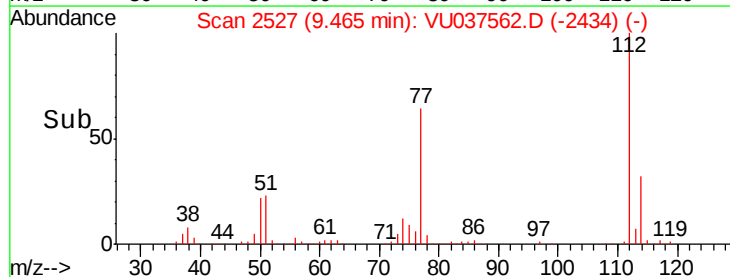
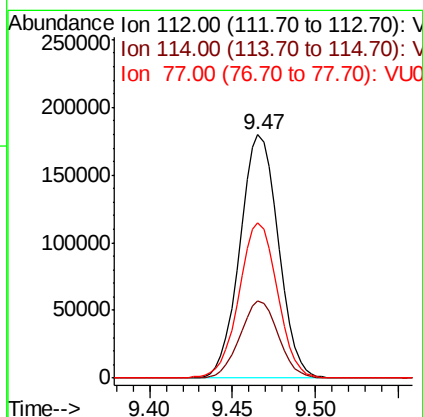
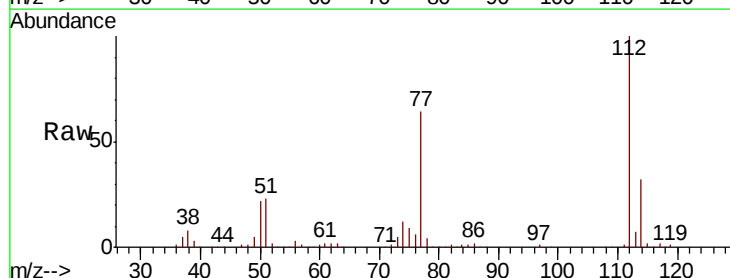
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10033

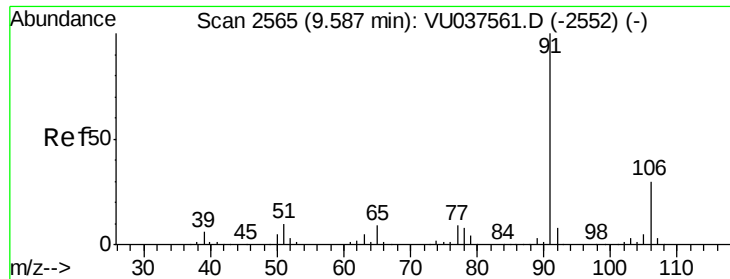
Tot Ion	Ratio	Lower	Upper
107	100		
109	91.6	64.1	119.1
188	2.9	2.3	3.5



#51
 Chlorobenzene
 Concen: 93.092 ug/L
 RT: 9.47 min Scan# 2527
 Delta R.T. 0.00 min
 Lab File: VU037562.D
 Acq: 03 Apr 2020 10:55

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.6	21.0	39.0
77	63.8	50.2	75.4

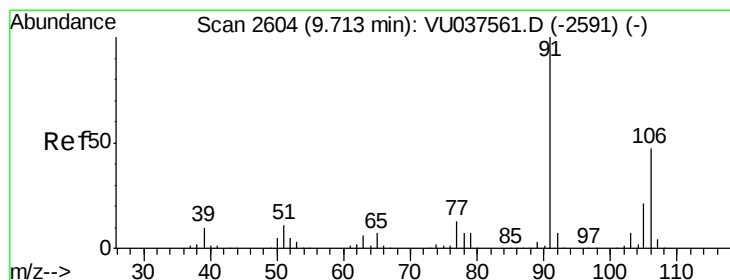
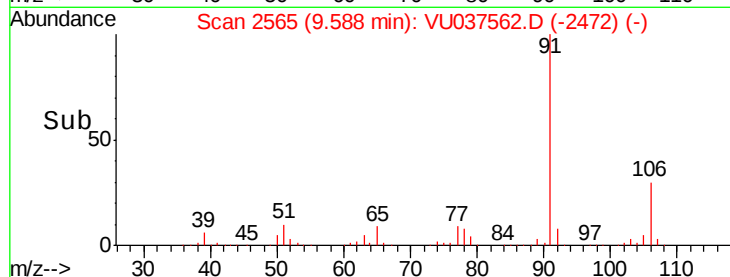
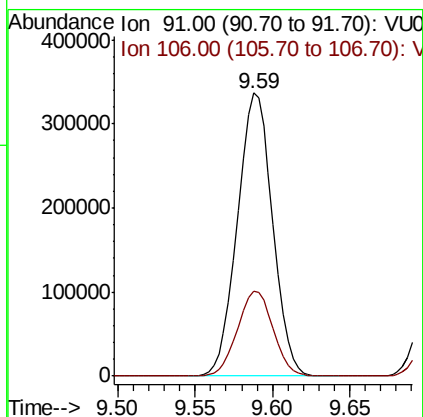
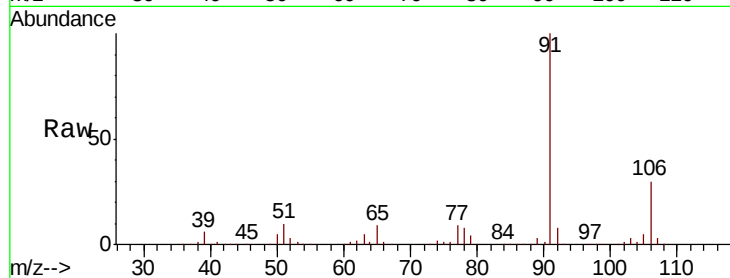




#52
Ethylbenzene
Concen: 93.362 ug/L
RT: 9.59 min Scan# 2565
Delta R.T. 0.00 min
Lab File: VU037562.D
Acq: 03 Apr 2020 10:55

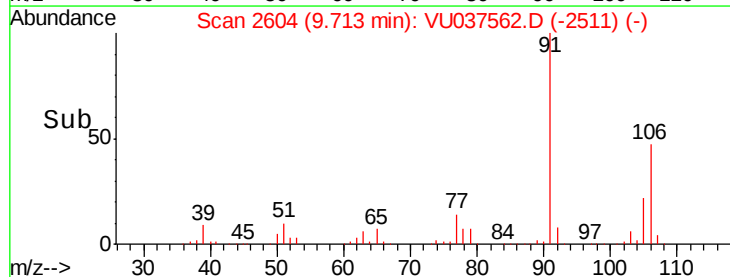
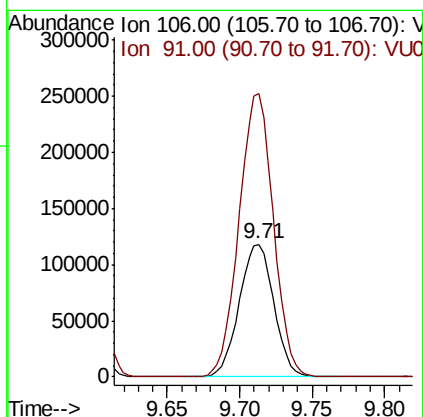
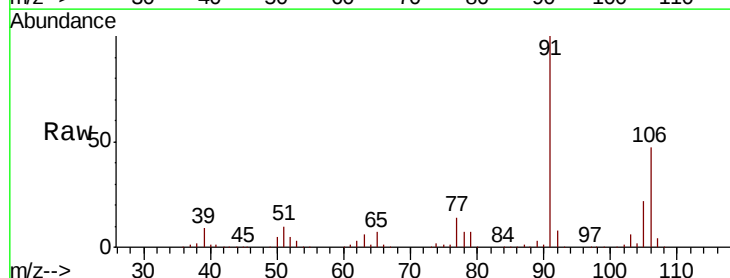
Instrument :
MSVOA_U
ClientSampleId :
VSTD10033

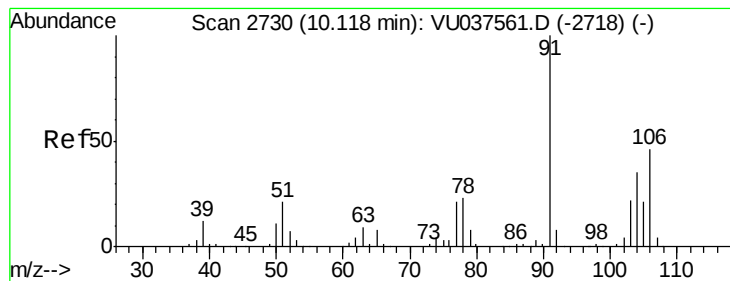
Tot Ion: 91 Resp: 531490
Ion Ratio Lower Upper
91 100
106 30.1 20.8 38.6



#53
m,p-Xylene
Concen: 92.160 ug/L
RT: 9.71 min Scan# 2604
Delta R.T. 0.00 min
Lab File: VU037562.D
Acq: 03 Apr 2020 10:55

Tgt Ion: 106 Resp: 195694
Ion Ratio Lower Upper
106 100
91 213.3 148.8 276.4





#54

o-xylene

Concen: 93.848 ug/L

RT: 10.12 min Scan# 2730

Delta R.T. 0.00 min

Lab File: VU037562.D

Acq: 03 Apr 2020 10:55

Instrument :

MSVOA_U

ClientSampleId :

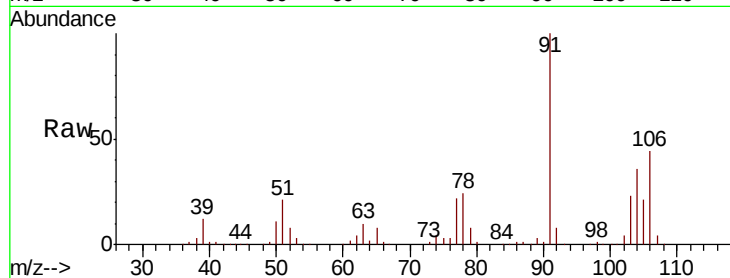
VSTD10033

Tot Ion:106 Resp: 192070

Ion Ratio Lower Upper

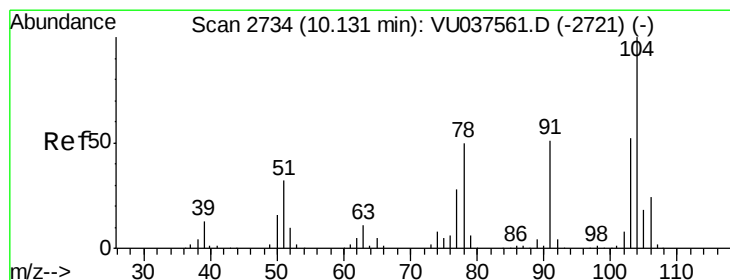
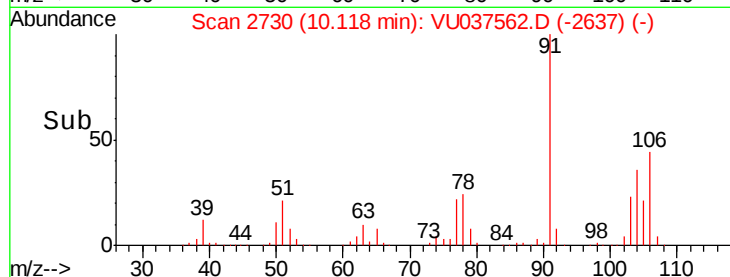
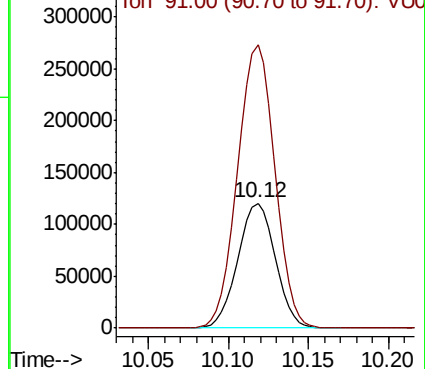
106 100

91 226.5 152.6 283.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 93.229 ug/L

RT: 10.13 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VU037562.D

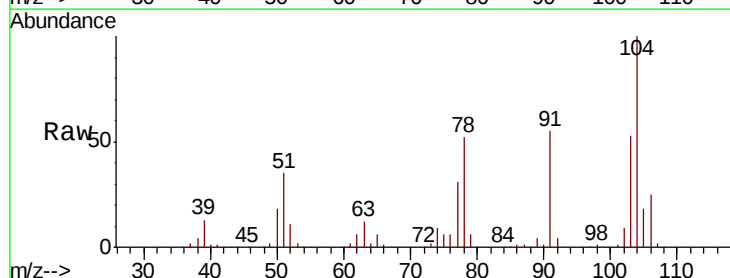
Acq: 03 Apr 2020 10:55

Tgt Ion:104 Resp: 337851

Ion Ratio Lower Upper

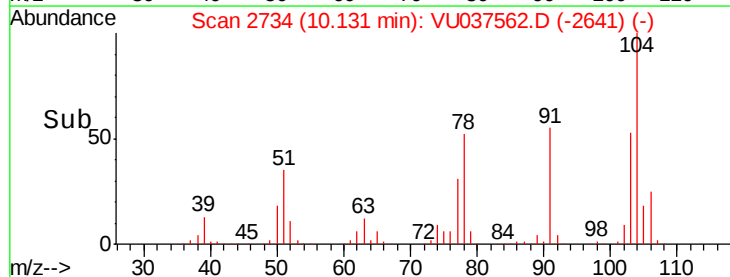
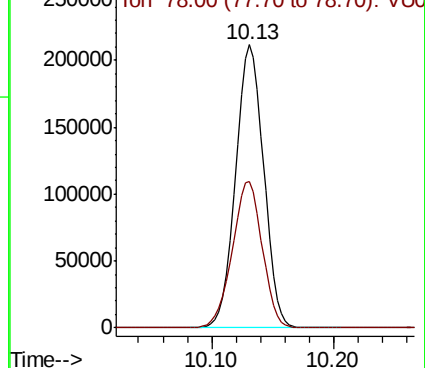
104 100

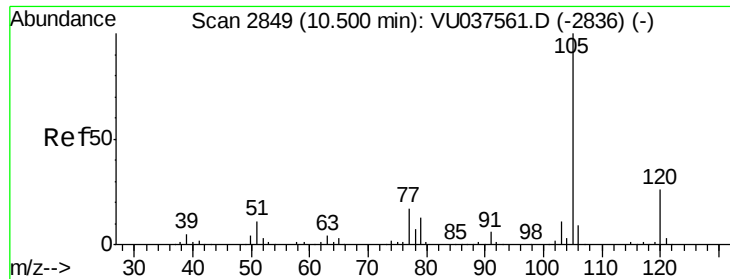
78 52.0 34.9 64.9



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 94.073 ug/L

RT: 10.50 min Scan# 2849

Delta R.T. 0.00 min

Lab File: VU037562.D

Acq: 03 Apr 2020 10:55

Instrument :

MSVOA_U

ClientSampleId :

VSTD10033

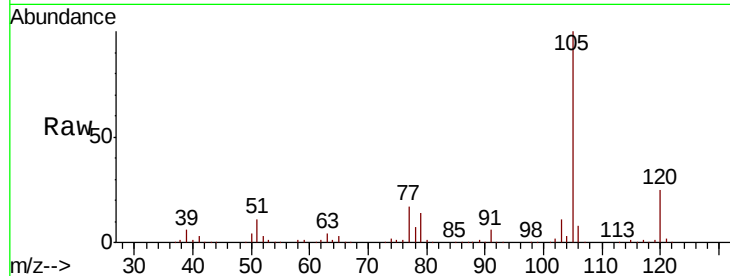
Tot Ion:105 Resp: 522012

Ion Ratio Lower Upper

105 100

120 25.6 20.7 31.1

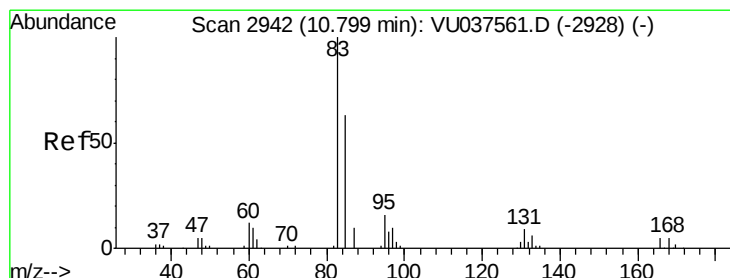
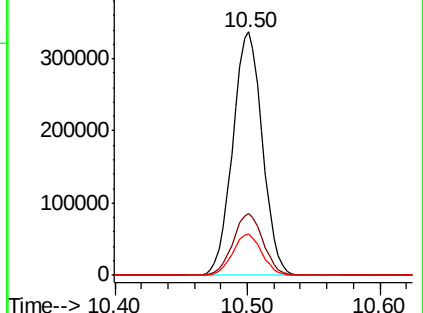
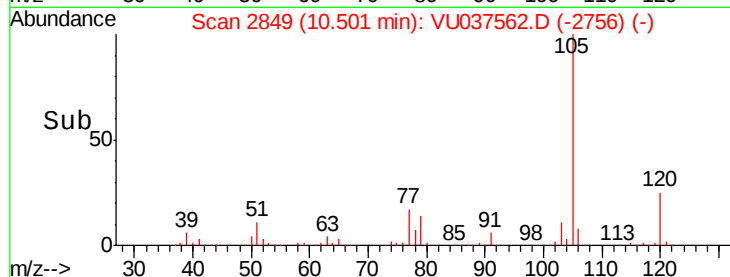
77 16.7 13.4 20.0



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: 95.340 ug/L

RT: 10.80 min Scan# 2942

Delta R.T. 0.00 min

Lab File: VU037562.D

Acq: 03 Apr 2020 10:55

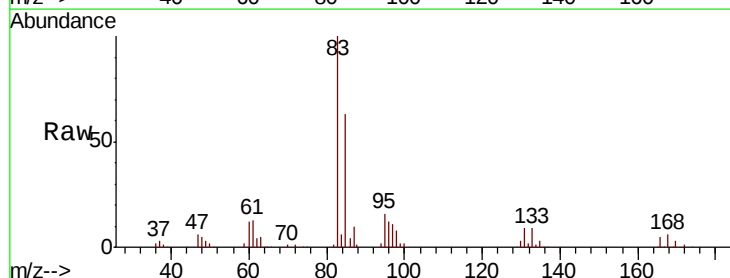
Tgt Ion: 83 Resp: 207987

Ion Ratio Lower Upper

83 100

85 62.8 44.2 82.2

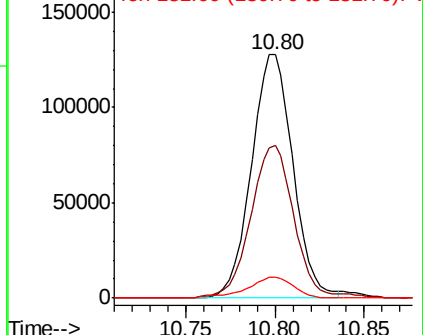
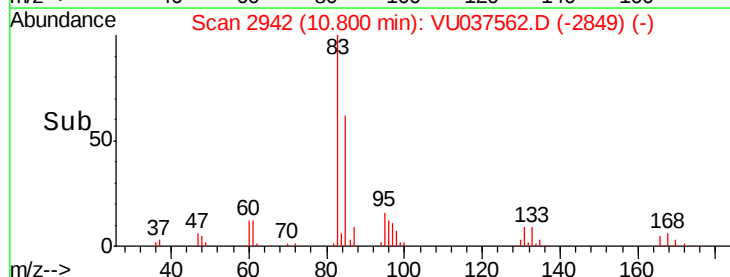
131 8.8 7.2 10.8

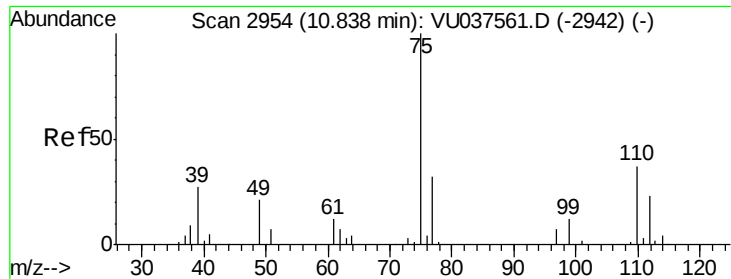


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

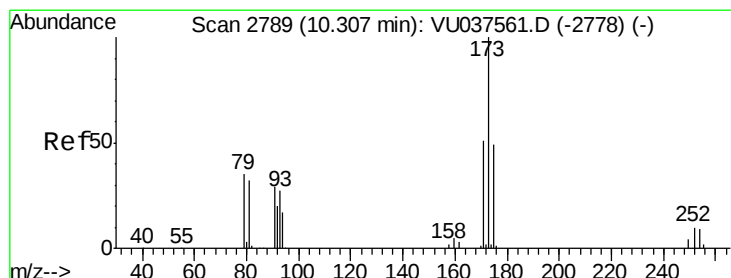
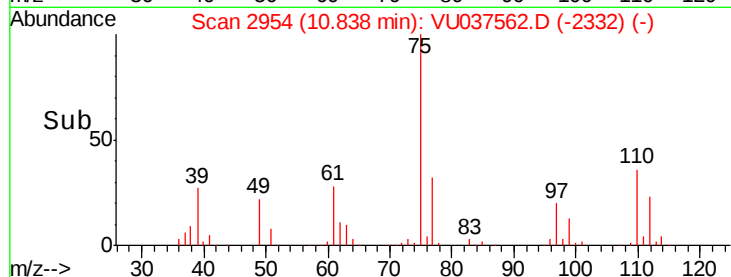
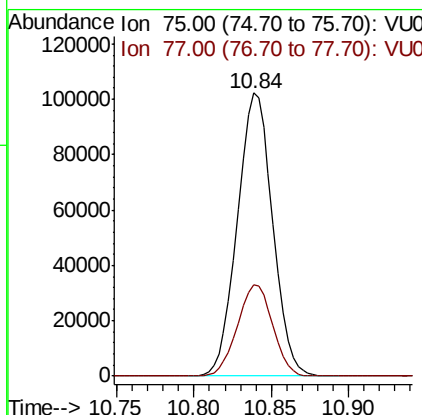
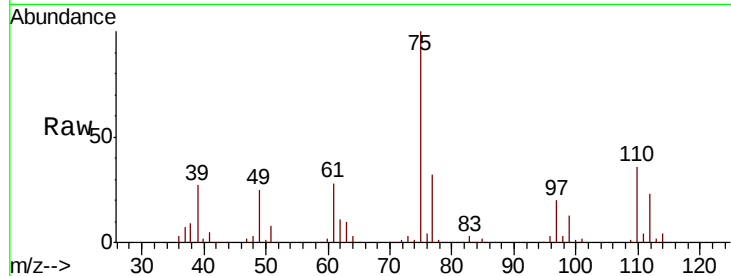




#59
 1,2,3-Trichloropropane
 Concen: 95.155 ug/L
 RT: 10.84 min Scan# 2954
 Delta R.T. 0.00 min
 Lab File: VU037562.D
 Acq: 03 Apr 2020 10:55

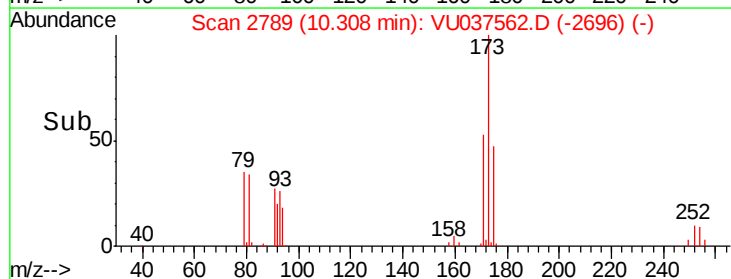
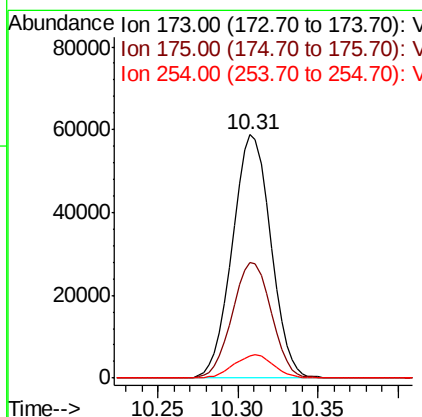
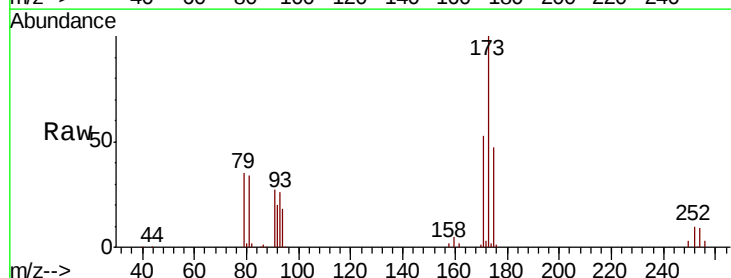
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10033

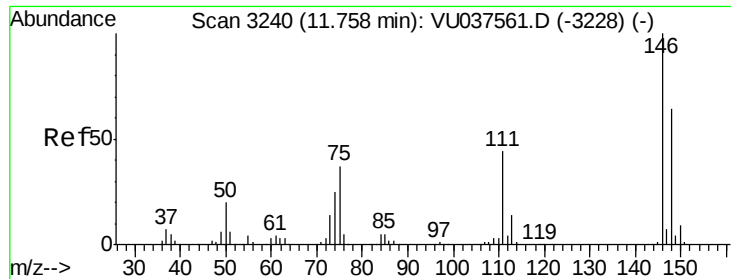
Tot Ion: 75 Resp: 162131
 Ion Ratio Lower Upper
 75 100
 77 32.4 25.5 38.3



#61
 Bromoform
 Concen: 97.784 ug/L
 RT: 10.31 min Scan# 2789
 Delta R.T. 0.00 min
 Lab File: VU037562.D
 Acq: 03 Apr 2020 10:55

Tgt Ion:173 Resp: 96554
 Ion Ratio Lower Upper
 173 100
 175 48.2 38.6 58.0
 254 9.8 7.4 11.2

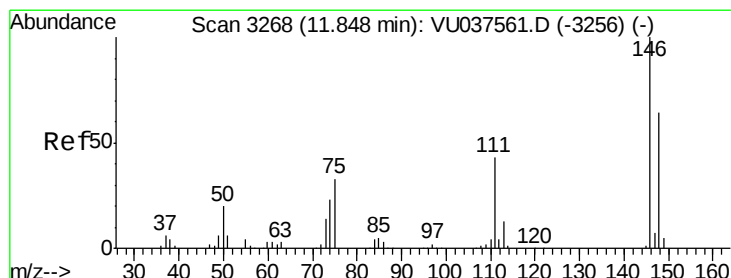
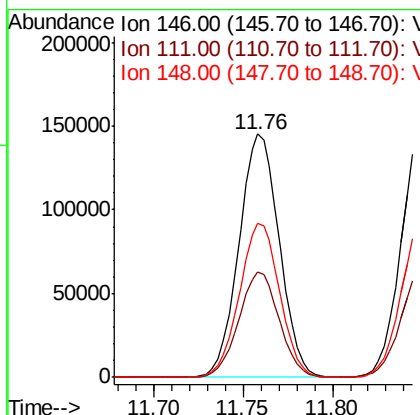
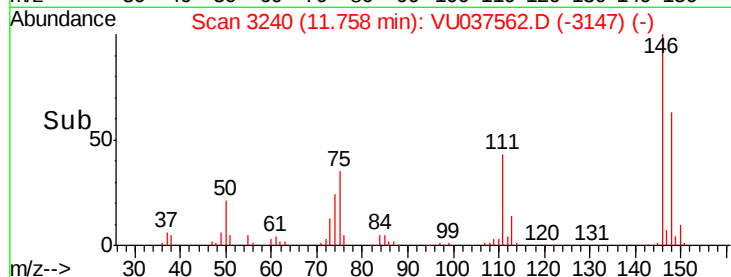
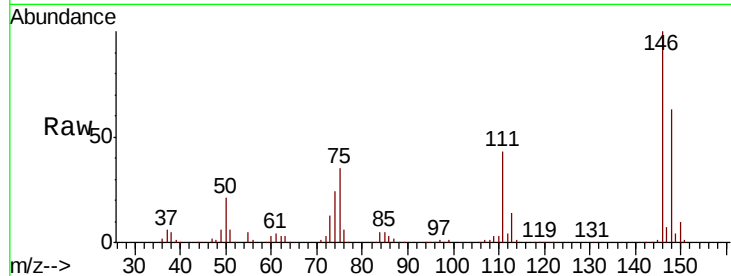




#62
 1,3-Dichlorobenzene
 Concen: 91.952 ug/L
 RT: 11.76 min Scan# 3240
 Delta R.T. 0.00 min
 Lab File: VU037562.D
 Acq: 03 Apr 2020 10:55

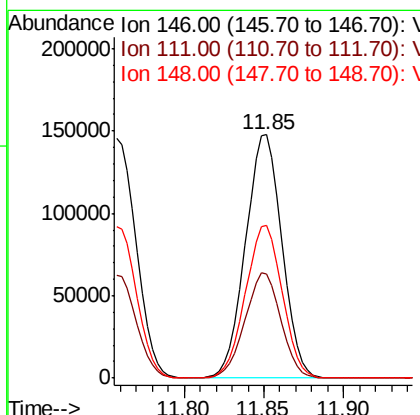
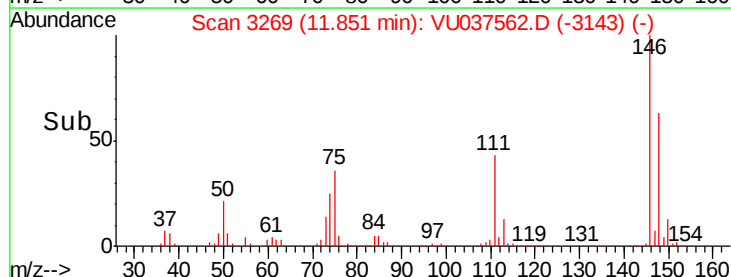
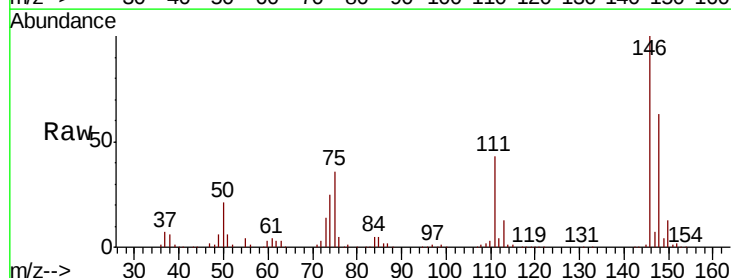
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10033

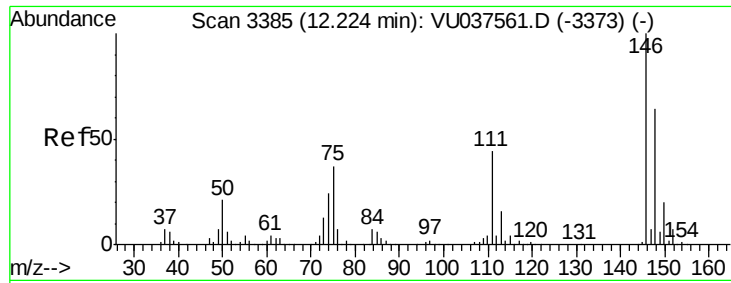
Tot Ion	Ratio	Lower	Upper
146	100		
111	43.0	31.1	57.7
148	63.3	44.4	82.5



#63
 1,4-Dichlorobenzene
 Concen: 91.675 ug/L
 RT: 11.85 min Scan# 3269
 Delta R.T. 0.00 min
 Lab File: VU037562.D
 Acq: 03 Apr 2020 10:55

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.9	30.1	55.9
148	62.6	44.7	82.9





#65

1,2-Dichlorobenzene

Concen: 92.431 ug/L

RT: 12.22 min Scan# 3385

Delta R.T. 0.00 min

Lab File: VU037562.D

Acq: 03 Apr 2020 10:55

Instrument :

MSVOA_U

ClientSampleId :

VSTD10033

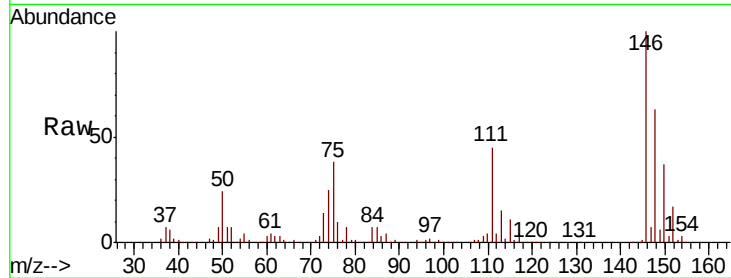
Tot Ion:146 Resp: 228259

Ion Ratio Lower Upper

146 100

111 45.3 35.6 53.4

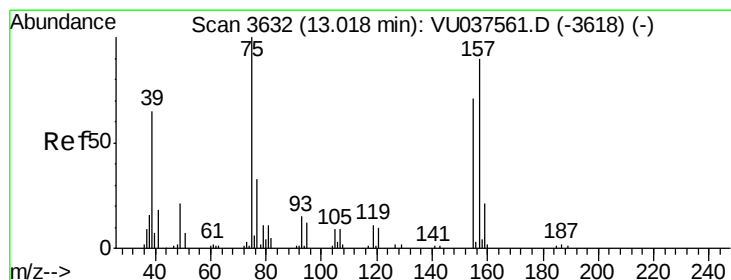
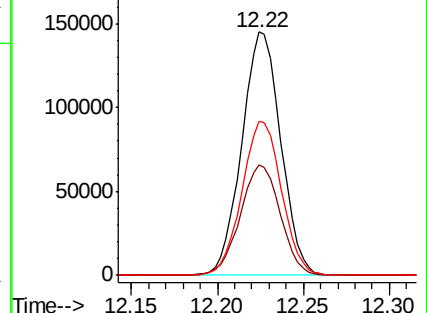
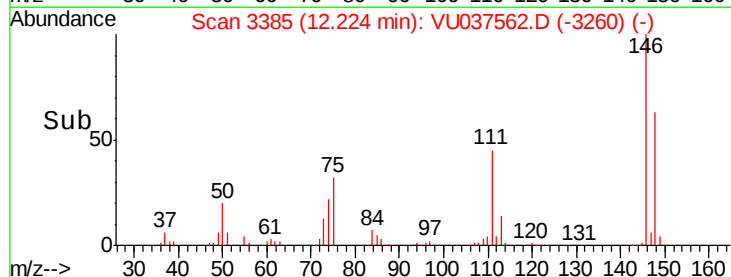
148 63.3 51.0 76.6



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: 95.879 ug/L

RT: 13.02 min Scan# 3631

Delta R.T. -0.00 min

Lab File: VU037562.D

Acq: 03 Apr 2020 10:55

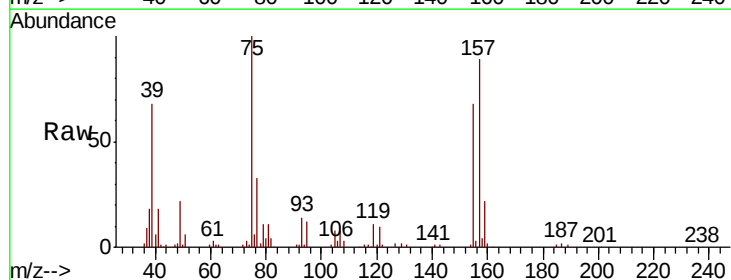
Tgt Ion: 75 Resp: 56794

Ion Ratio Lower Upper

75 100

155 67.9 56.6 85.0

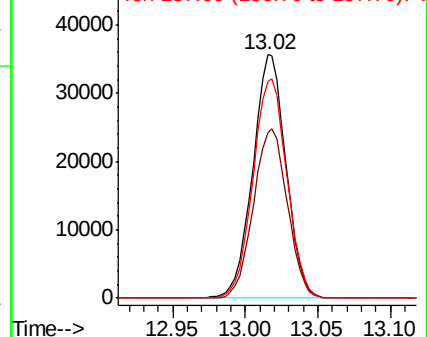
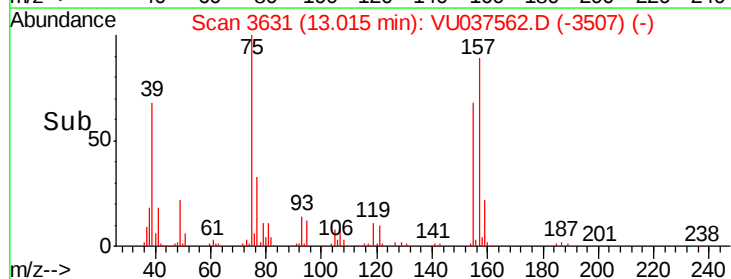
157 89.1 72.4 108.6

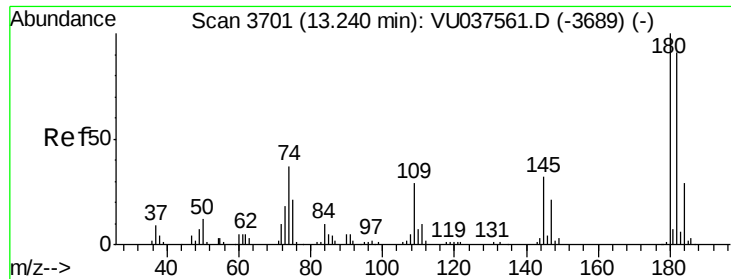


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

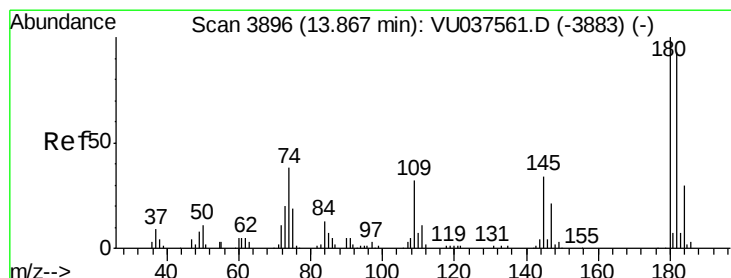
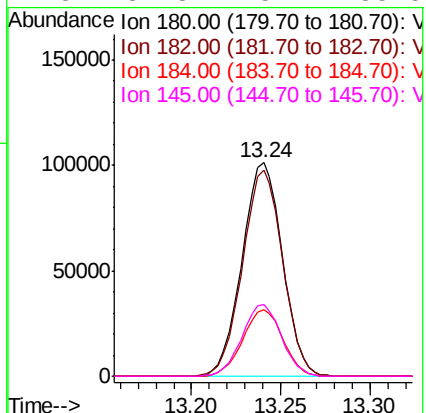
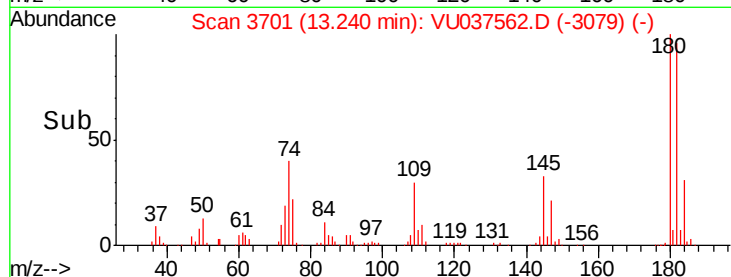
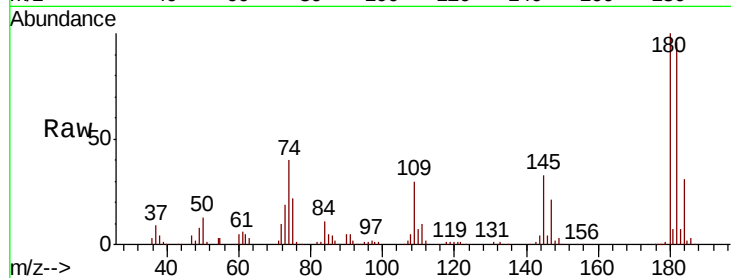




#67
 1,3,5-Trichlorobenzene
 Concen: 92.487 ug/L
 RT: 13.24 min Scan# 3701
 Delta R.T. 0.00 min
 Lab File: VU037562.D
 Acq: 03 Apr 2020 10:55

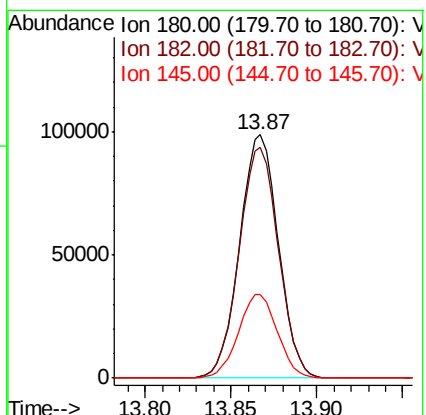
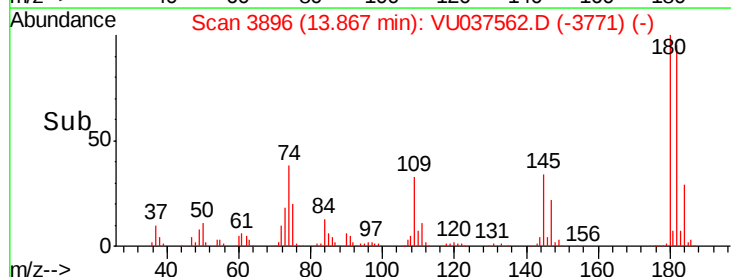
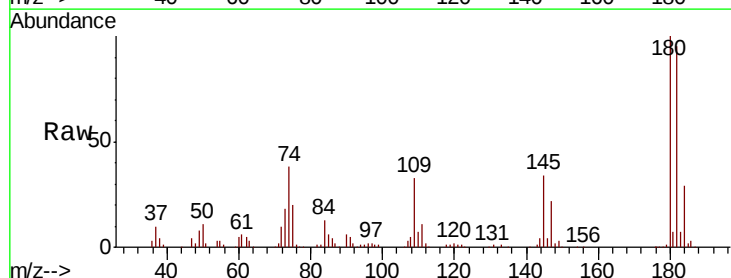
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10033

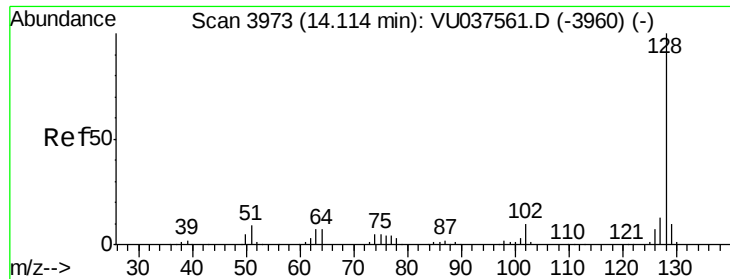
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.7	74.9	112.3
184	30.9	23.6	35.4
145	32.8	25.7	38.5



#68
 1,2,4-trichlorobenzene
 Concen: 93.963 ug/L
 RT: 13.87 min Scan# 3896
 Delta R.T. 0.00 min
 Lab File: VU037562.D
 Acq: 03 Apr 2020 10:55

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.1	74.4	111.6
145	34.5	26.9	40.3





#69

Naphthalene

Concen: 87.058 ug/L

RT: 14.11 min Scan# 3973

Delta R.T. 0.00 min

Lab File: VU037562.D

Acq: 03 Apr 2020 10:55

Instrument :

MSVOA_U

ClientSampleId :

VSTD10033

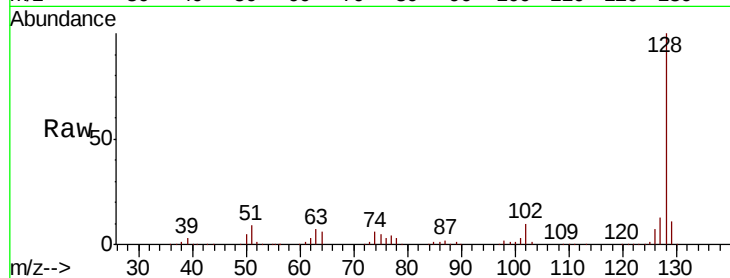
Tot Ion:128 Resp: 608683

Ion Ratio Lower Upper

128 100

127 12.9 10.2 15.4

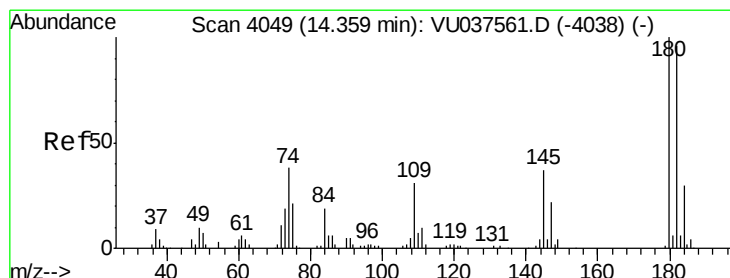
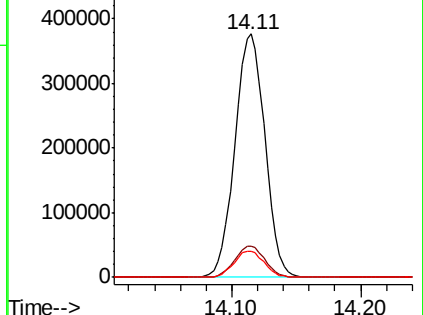
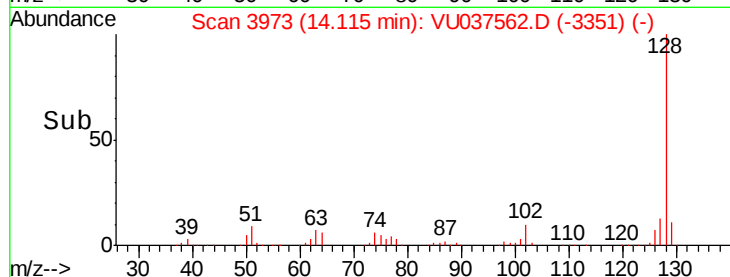
129 10.9 8.5 12.7



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: 93.381 ug/L

RT: 14.36 min Scan# 4049

Delta R.T. 0.00 min

Lab File: VU037562.D

Acq: 03 Apr 2020 10:55

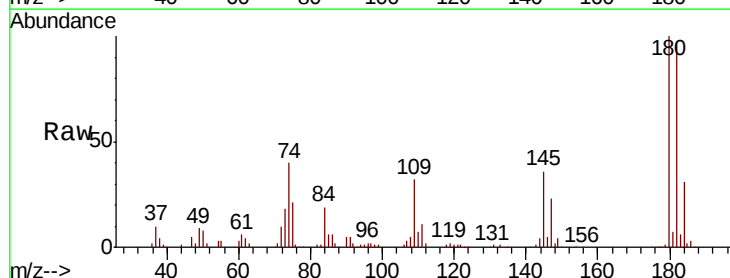
Tgt Ion:180 Resp: 155683

Ion Ratio Lower Upper

180 100

182 95.9 76.0 114.0

145 36.2 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

