

Data File : VU037862.D
Acq On : 23 Apr 2020 15:22
Operator : JC/MD
Sample : VSTD200
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD20031

Quant Time: Apr 23 15:49:07 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042320WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Apr 23 13:33:23 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	547475	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	551333	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	283613	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	1006710	205.71	ug/L	0.00
7) Chloroethane-d5	1.92	69	757069	189.59	ug/L	-0.01
11) 1,1-Dichloroethene-d2	2.59	63	1610019	194.58	ug/L	0.00
21) 2-Butanone-d5	4.66	46	1584812	396.72	ug/L	0.00
24) Chloroform-d	5.10	84	1512964	191.57	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.74	65	1015470	186.58	ug/L	0.00
32) Benzene-d6	5.76	84	3128402	183.06	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.72	67	1060677	184.55	ug/L	0.00
41) Toluene-d8	7.92	98	2900740	185.60	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.20	79	550888	189.52	ug/L	0.00
47) 2-Hexanone-d5	8.65	63	1207365	401.99	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.77	84	1556240	196.81	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.21	152	1124349	187.97	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.39	85	920687	190.743	ug/L	100
3) Chloromethane	1.54	50	1044268	216.879	ug/L	99
5) Vinyl chloride	1.62	62	1138104	201.849	ug/L	99
6) Bromomethane	1.85	94	509851	234.032	ug/L	97
8) Chloroethane	1.94	64	632522	191.035	ug/L	100
9) Trichlorofluoromethane	2.15	101	1173903	188.256	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	675430	186.028	ug/L	99
12) 1,1-Dichloroethene	2.60	96	697274	194.783	ug/L	98
13) Acetone	2.66	43	911930	343.215	ug/L	99
14) Carbon disulfide	2.82	76	2406597	201.564	ug/L	100
15) Methyl Acetate	2.98	43	1130922	191.010	ug/L	99
16) Methylene chloride	3.08	84	816687	190.026	ug/L	98
17) trans-1,2-Dichloroethene	3.38	96	752314	190.431	ug/L	98
18) Methyl tert-butyl Ether	3.40	73	2680701	190.614	ug/L	100
19) 1,1-Dichloroethane	3.91	63	1549584	188.905	ug/L	99
20) cis-1,2-Dichloroethene	4.71	96	840032	190.250	ug/L	99
22) 2-Butanone	4.75	43	1643045	376.309	ug/L	99
23) Bromochloromethane	5.01	128	409700	193.209	ug/L	98
25) Chloroform	5.13	83	1437701	187.184	ug/L	100
27) 1,2-Dichloroethane	5.83	62	1229858	185.743	ug/L	99
29) Cyclohexane	5.42	56	1516184	183.018	ug/L	100
30) 1,1,1-Trichloroethane	5.35	97	1237630	183.179	ug/L	99
31) Carbon tetrachloride	5.56	117	1016457	187.006	ug/L	100
33) Benzene	5.81	78	3329284	184.235	ug/L	100
34) Trichloroethene	6.57	95	813776	182.416	ug/L	99
35) Methylcyclohexane	6.79	83	1415986	181.801	ug/L	100
37) 1,2-Dichloropropane	6.82	63	925489	181.313	ug/L	99
38) Bromodichloromethane	7.13	83	1143901	186.219	ug/L	98
39) cis-1,3-Dichloropropene	7.63	75	1510781	187.908	ug/L	99
40) 4-Methyl-2-pentanone	7.82	43	3325748	381.940	ug/L	99

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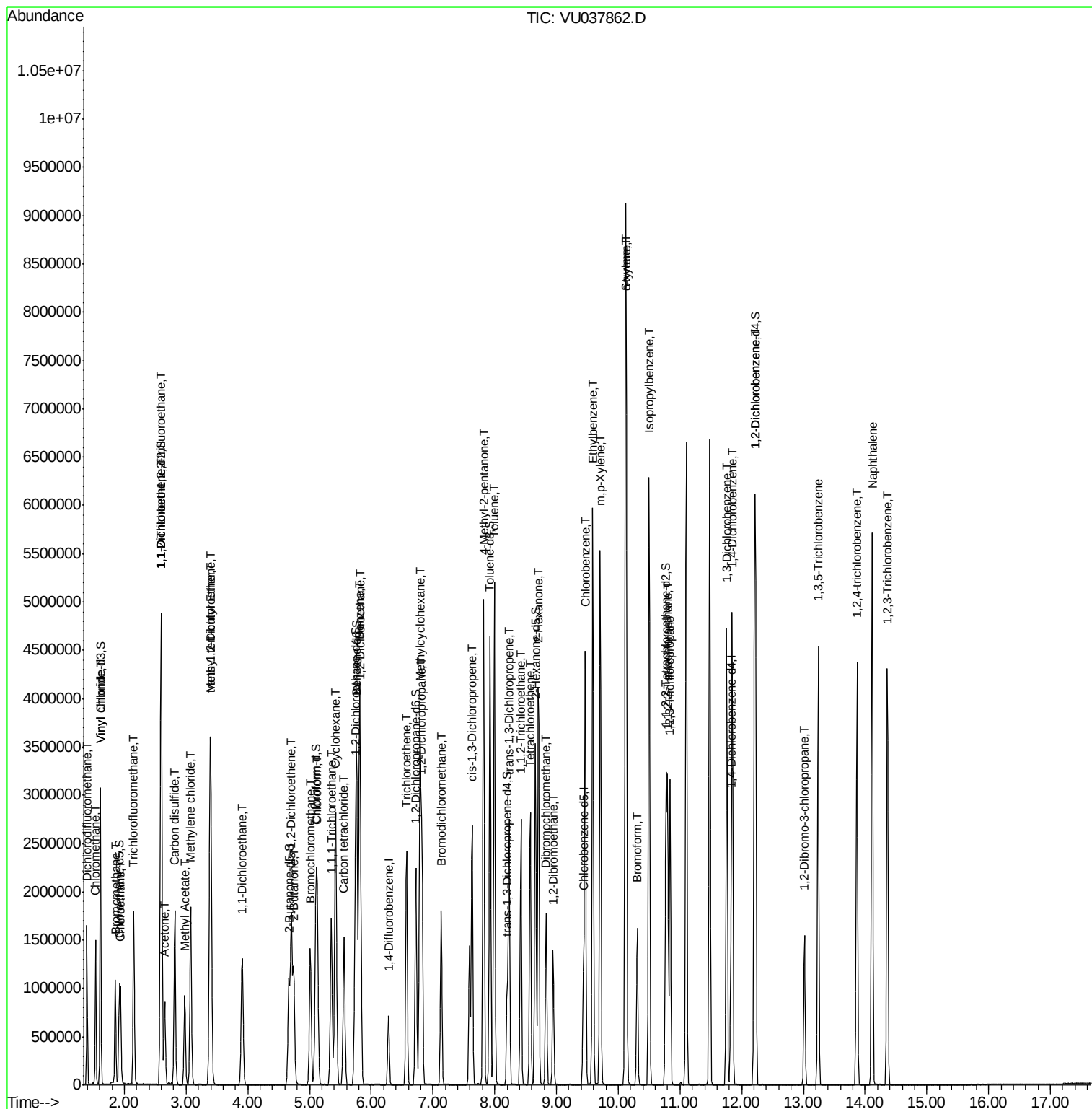
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.99	91	3558031	185.926	ug/L	100
44) trans-1,3-Dichloropropene	8.23	75	1460711	189.022	ug/L	96
45) 1,1,2-Trichloroethane	8.42	97	817677	185.389	ug/L	99
46) Tetrachloroethene	8.57	164	599753	187.151	ug/L	99
48) 2-Hexanone	8.71	43	2605444	377.179	ug/L	99
49) Dibromochloromethane	8.83	129	879133	191.458	ug/L	100
50) 1,2-Dibromoethane	8.94	107	899540	190.006	ug/L	99
51) Chlorobenzene	9.47	112	2225603	186.232	ug/L	99
52) Ethylbenzene	9.59	91	4090363	190.587	ug/L	100
53) m,p-Xylene	9.71	106	1530407	188.038	ug/L	100
54) o-xylene	10.12	106	1513630	191.385	ug/L	98
55) Styrene	10.13	104	2658155	193.928	ug/L	100
56) Isopropylbenzene	10.50	105	4006141	190.637	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.80	83	1517231	193.058	ug/L	99
59) 1,2,3-Trichloropropane	10.84	75	1299428	191.012	ug/L	99
61) Bromoform	10.31	173	706052	198.788	ug/L	99
62) 1,3-Dichlorobenzene	11.76	146	1801468	187.789	ug/L	99
63) 1,4-Dichlorobenzene	11.85	146	1808374	186.701	ug/L	98
65) 1,2-Dichlorobenzene	12.22	146	1775205	187.580	ug/L	98
66) 1,2-Dibromo-3-chloropropan	13.01	75	405272	195.944	ug/L	96
67) 1,3,5-Trichlorobenzene	13.24	180	1336251	191.878	ug/L	100
68) 1,2,4-trichlorobenzene	13.87	180	1287110	194.292	ug/L	99
69) Naphthalene	14.11	128	4385299	187.933	ug/L	100
70) 1,2,3-Trichlorobenzene	14.36	180	1246390	189.069	ug/L	100

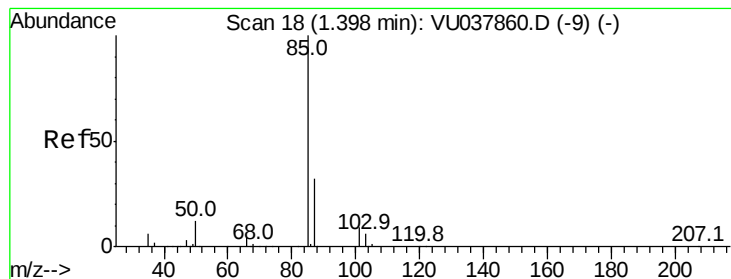
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 190.743 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU037862.D

Acq: 23 Apr 2020 15:22

Instrument :

MSVOA_U

ClientSampleId :

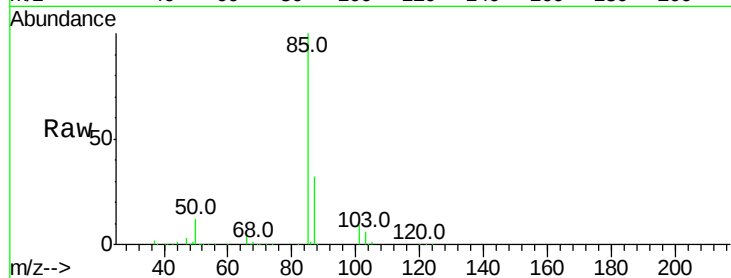
VSTD20031

Tgt Ion: 85 Resp: 920687

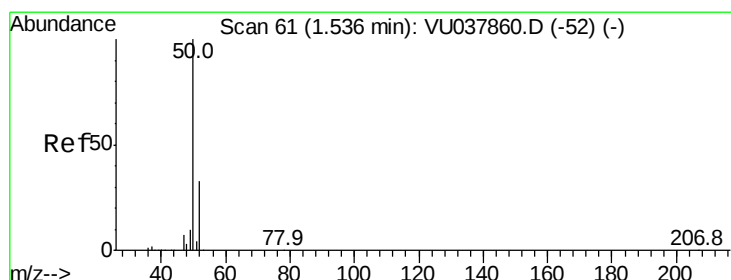
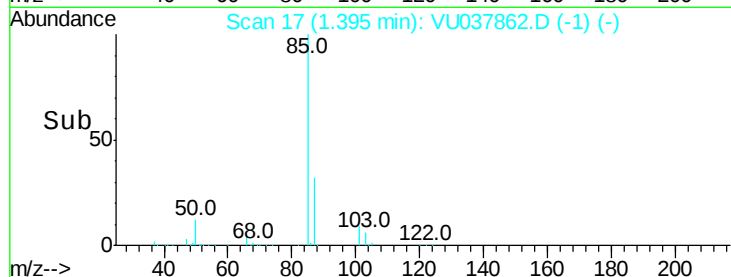
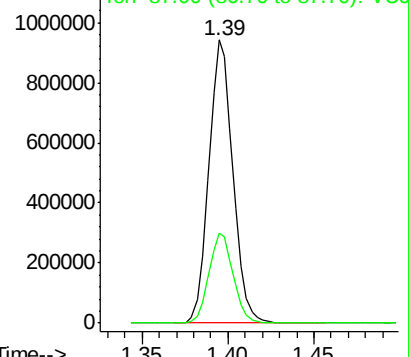
Ion Ratio Lower Upper

85 100

87 32.2 25.8 38.6



Abundance Ion 85.00 (84.70 to 85.70): VU037862.D (-9) (-)



#3

Chloromethane

Concen: 216.879 ug/L

RT: 1.54 min Scan# 61

Delta R.T. -0.00 min

Lab File: VU037862.D

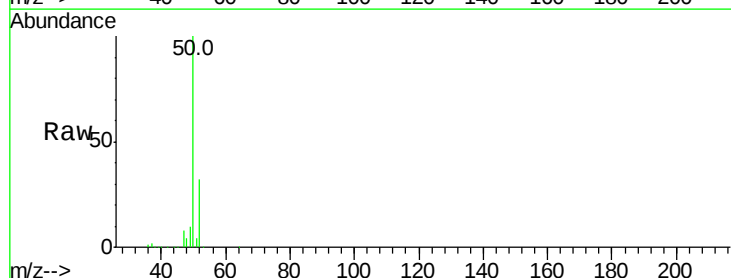
Acq: 23 Apr 2020 15:22

Tgt Ion: 50 Resp: 1044268

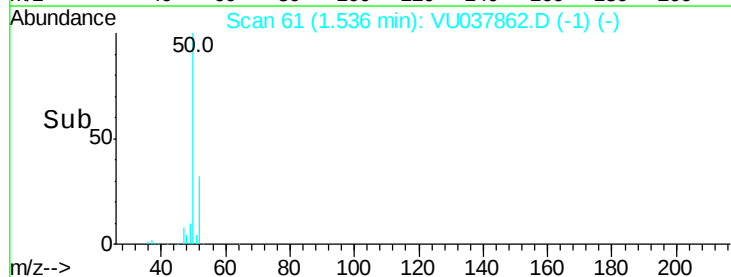
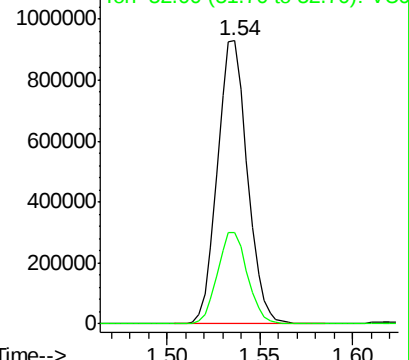
Ion Ratio Lower Upper

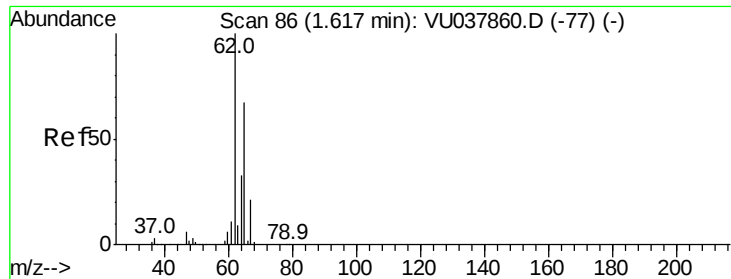
50 100

52 32.4 23.1 42.9



Abundance Ion 50.00 (49.70 to 50.70): VU037862.D (-52) (-)





#5

Vinyl chloride

Concen: 201.849 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU037862.D

Acq: 23 Apr 2020 15:22

Instrument :

MSVOA_U

ClientSampleId :

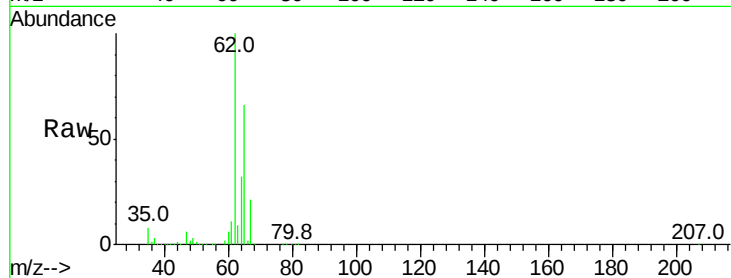
VSTD20031

Tgt Ion: 62 Resp: 1138104

Ion Ratio Lower Upper

62 100

64 32.3 23.2 43.0



Abundance Ion 62.00 (61.70 to 62.70): VU037862.D (-77) (-)

Ion 64.00 (63.70 to 64.70): VU037862.D (-77) (-)

1.62

1200000

1000000

800000

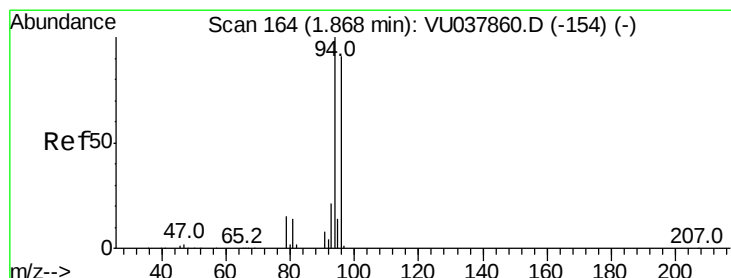
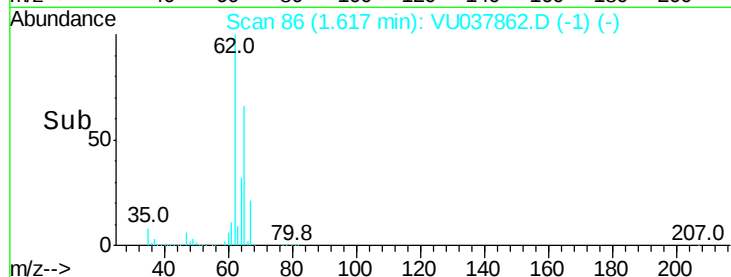
600000

400000

200000

0

Time--> 1.55 1.60 1.65 1.70



#6

Bromomethane

Concen: 234.032 ug/L

RT: 1.85 min Scan# 160

Delta R.T. -0.01 min

Lab File: VU037862.D

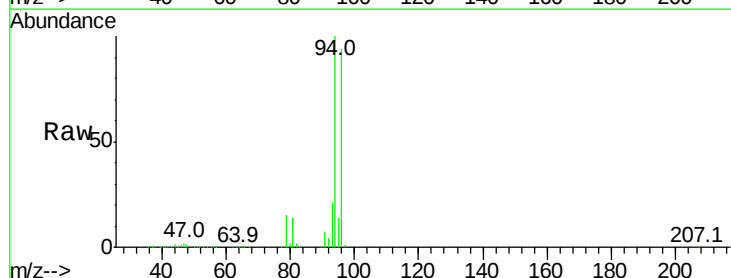
Acq: 23 Apr 2020 15:22

Tgt Ion: 94 Resp: 509851

Ion Ratio Lower Upper

94 100

96 93.8 63.9 118.7



Abundance Ion 94.00 (93.70 to 94.70): VU037862.D (-154) (-)

Ion 96.00 (95.70 to 96.70): VU037862.D (-154) (-)

1.85

400000

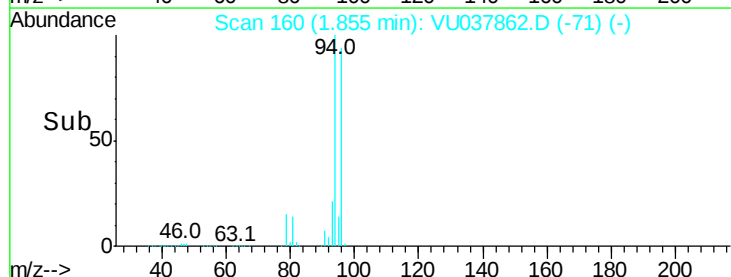
300000

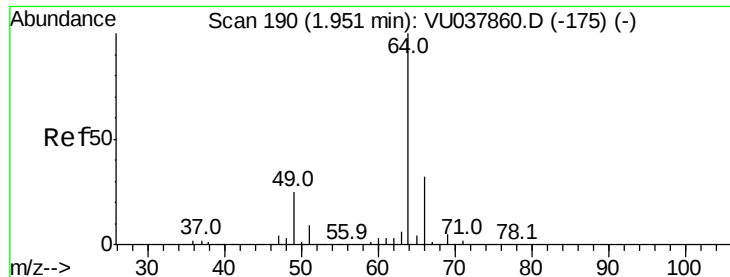
200000

100000

0

Time--> 1.80 1.85 1.90





#8

Chloroethane

Concen: 191.035 ug/L

RT: 1.94 min Scan# 186

Delta R.T. -0.01 min

Lab File: VU037862.D

Acq: 23 Apr 2020 15:22

Instrument :

MSVOA_U

ClientSampleId :

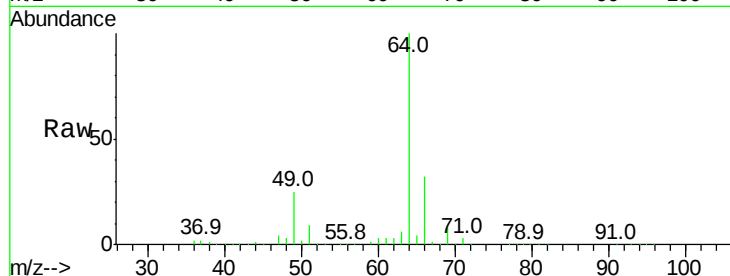
VSTD20031

Tgt Ion: 64 Resp: 632522

Ion Ratio Lower Upper

64 100

66 31.9 22.3 41.3



Abundance Ion 64.00 (63.70 to 64.70): VU037862.D (-175) (-)

Ion 66.00 (65.70 to 66.70): VU037862.D (-175) (-)

1.94

500000

400000

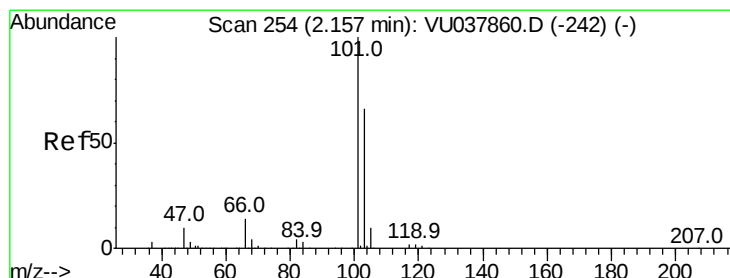
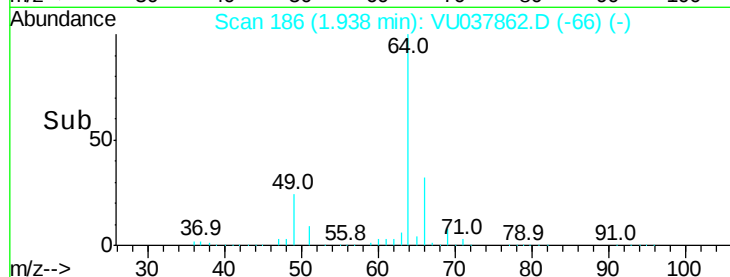
300000

200000

100000

0

Time--> 1.85 1.90 1.95 2.00 2.05



#9

Trichlorofluoromethane

Concen: 188.256 ug/L

RT: 2.15 min Scan# 252

Delta R.T. -0.01 min

Lab File: VU037862.D

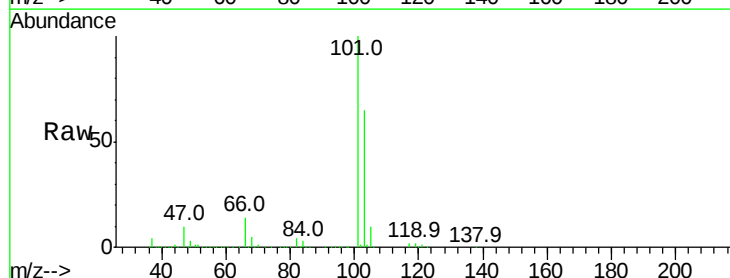
Acq: 23 Apr 2020 15:22

Tgt Ion: 101 Resp: 1173903

Ion Ratio Lower Upper

101 100

103 64.9 52.2 78.4



Abundance Ion 101.00 (100.70 to 101.70): VU037862.D (-242) (-)

Ion 103.00 (102.70 to 103.70): VU037862.D (-242) (-)

2.15

800000

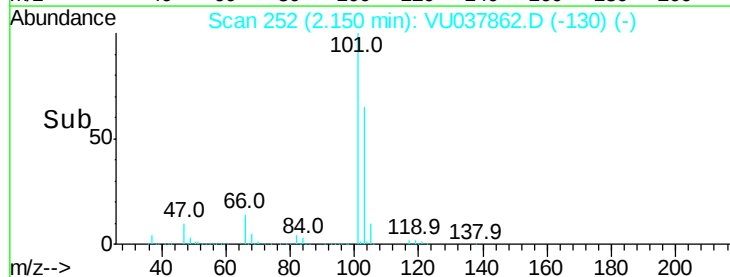
600000

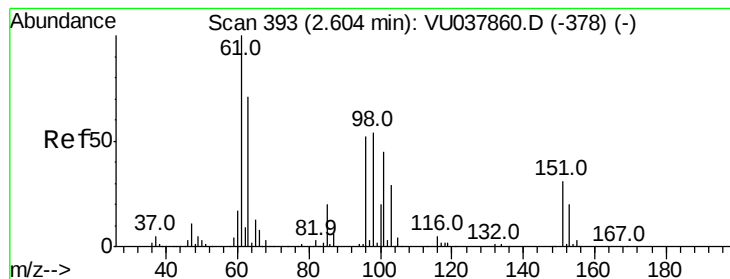
400000

200000

0

Time--> 2.05 2.10 2.15 2.20 2.25





#10

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

Concen: 186.028 ug/L

RT: 2.60 min Scan# 392

Delta R.T. -0.00 min

Lab File: VU037862.D

Acq: 23 Apr 2020 15:22

Instrument :

MSVOA_U

ClientSampleId :

VSTD20031

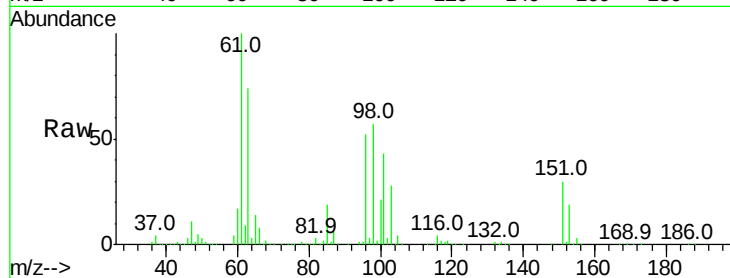
Tgt Ion:101 Resp: 675430

Ion Ratio Lower Upper

101 100

85 44.3 36.2 54.4

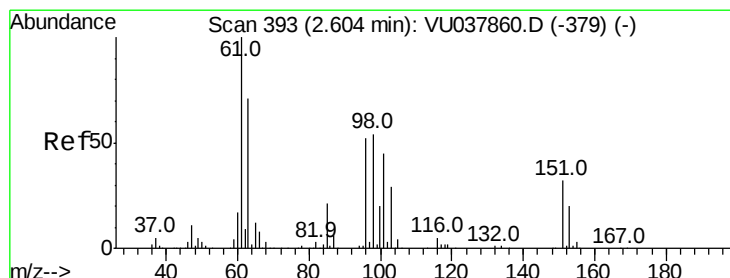
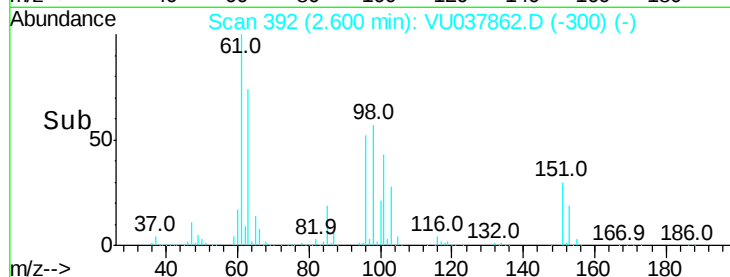
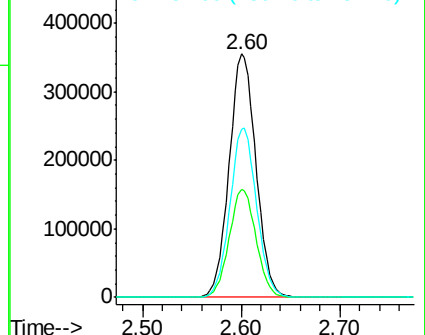
151 69.2 55.5 83.3



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: 194.783 ug/L

RT: 2.60 min Scan# 392

Delta R.T. -0.00 min

Lab File: VU037862.D

Acq: 23 Apr 2020 15:22

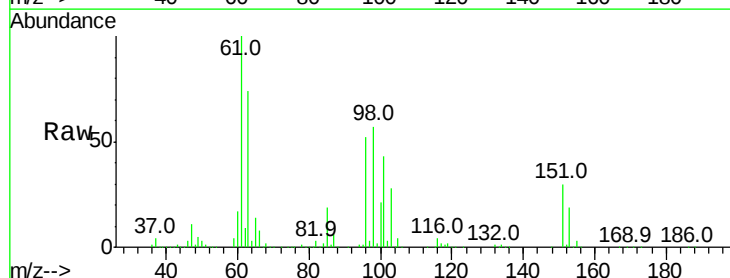
Tgt Ion: 96 Resp: 697274

Ion Ratio Lower Upper

96 100

61 191.5 134.1 249.0

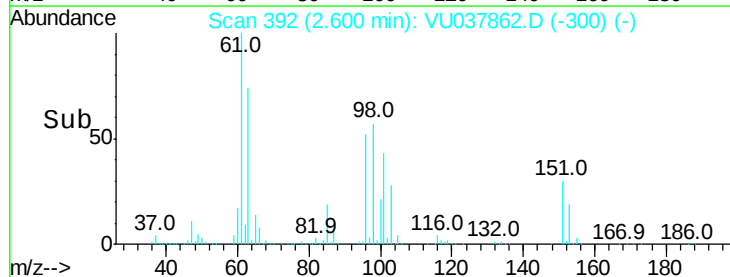
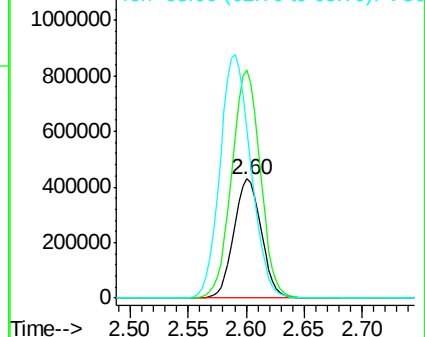
63 142.2 96.5 179.1

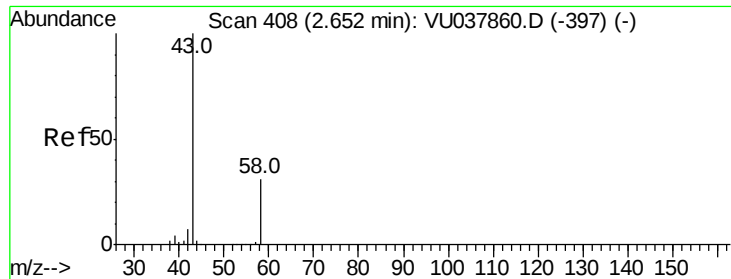


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 343.215 ug/L

RT: 2.66 min Scan# 409

Delta R.T. 0.00 min

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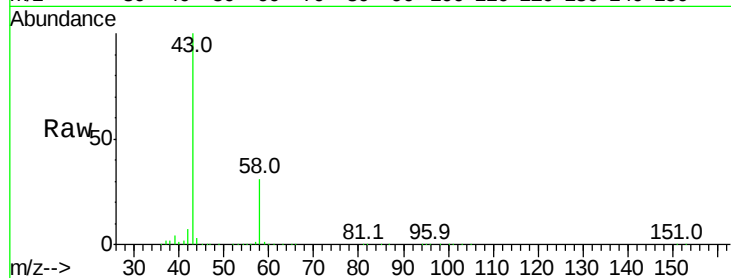
VSTD20031

Tgt Ion: 43 Resp: 911930

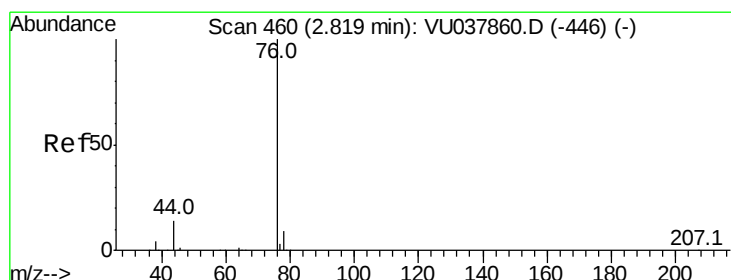
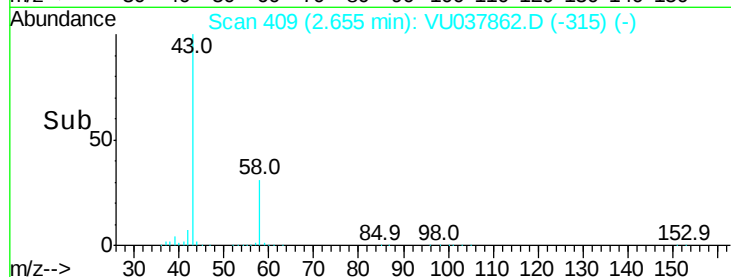
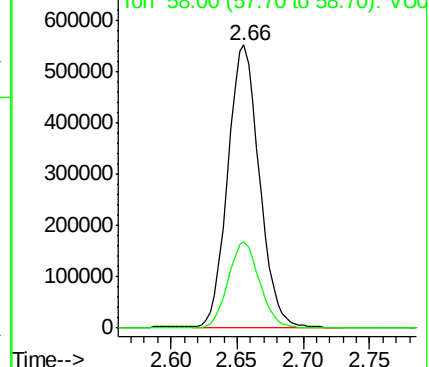
Ion Ratio Lower Upper

43 100

58 30.5 0.0 62.0



Abundance Ion 43.00 (42.70 to 43.70): VU037862.D (-397) (-)



#14

Carbon disulfide

Concen: 201.564 ug/L

RT: 2.82 min Scan# 459

Delta R.T. -0.00 min

Lab File: VU037862.D

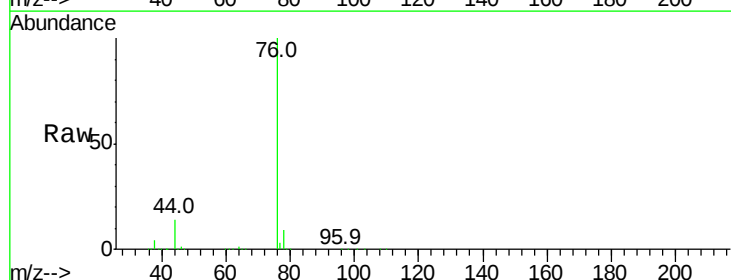
Acq: 23 Apr 2020 15:22

Tgt Ion: 76 Resp: 2406597

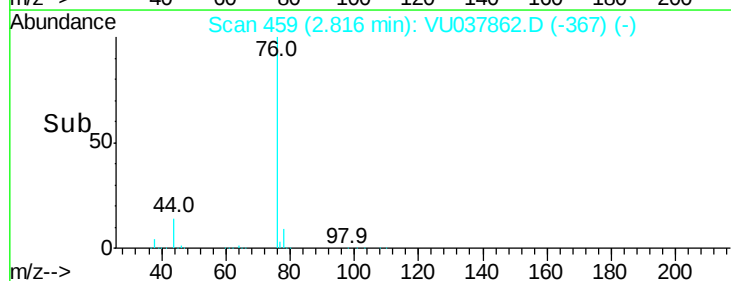
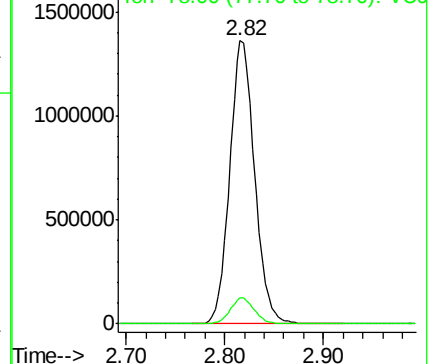
Ion Ratio Lower Upper

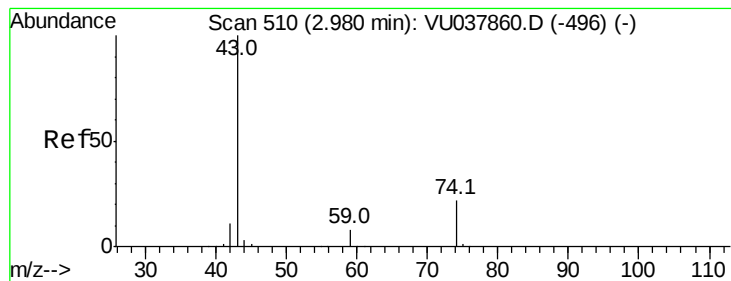
76 100

78 9.0 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VU037862.D (-446) (-)





#15

Methyl Acetate

Concen: 191.010 ug/L

RT: 2.98 min Scan# 509

Delta R.T. -0.00 min

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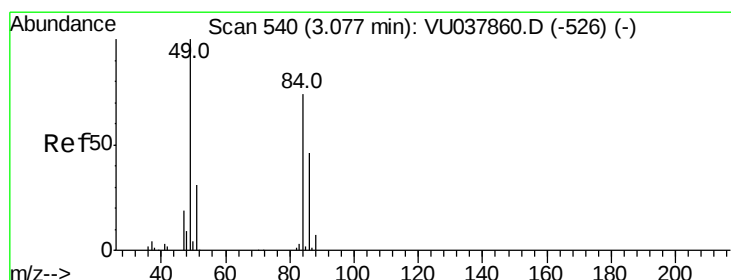
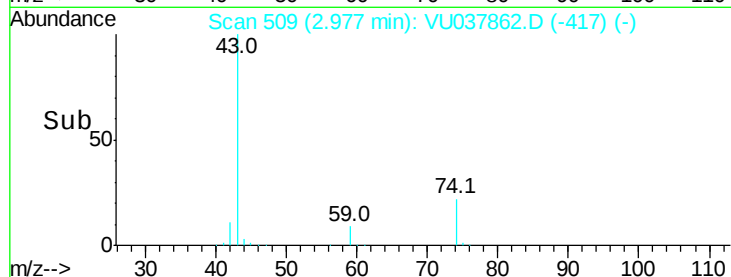
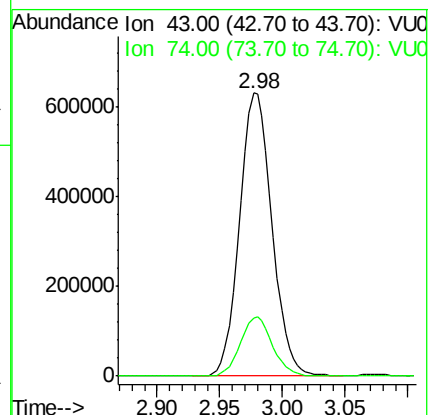
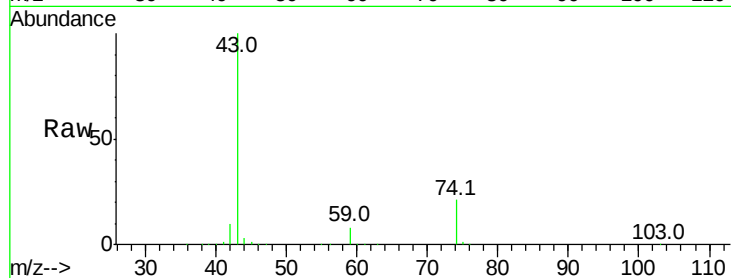
VSTD20031

Tgt Ion: 43 Resp: 1130922

Ion Ratio Lower Upper

43 100

74 20.8 17.0 25.4



#16

Methylene chloride

Concen: 190.026 ug/L

RT: 3.08 min Scan# 540

Delta R.T. -0.00 min

Lab File: VU037862.D

Acq: 23 Apr 2020 15:22

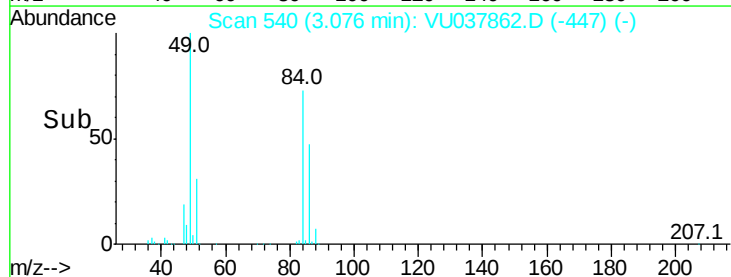
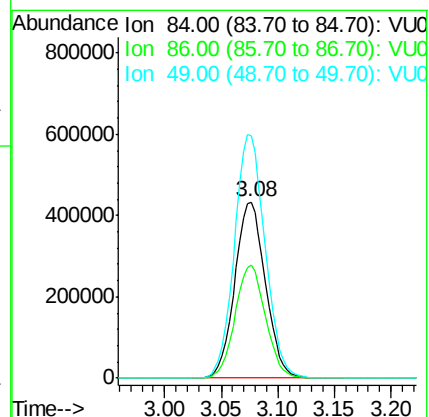
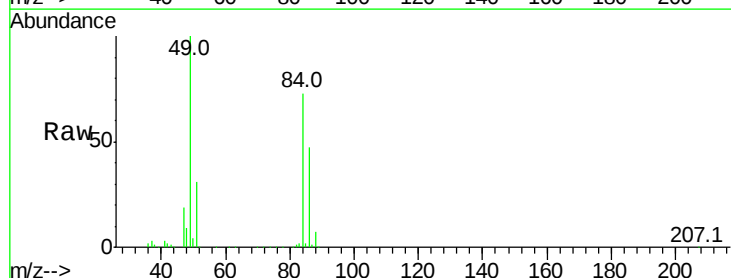
Tgt Ion: 84 Resp: 816687

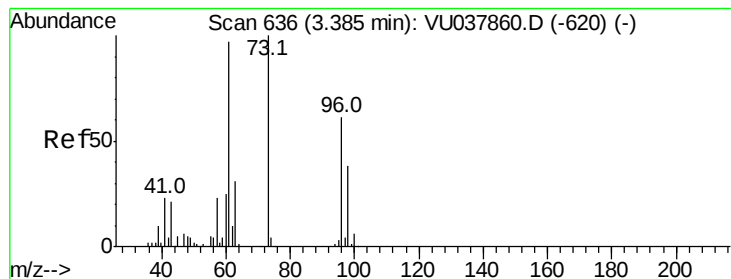
Ion Ratio Lower Upper

84 100

86 64.1 43.5 80.7

49 137.6 95.1 176.7





#17

trans-1,2-Dichloroethene

Concen: 190.431 ug/L

RT: 3.38 min Scan# 636

Delta R.T. -0.00 min

Lab File: VU037862.D

Acq: 23 Apr 2020 15:22

Instrument :

MSVOA_U

ClientSampleId :

VSTD20031

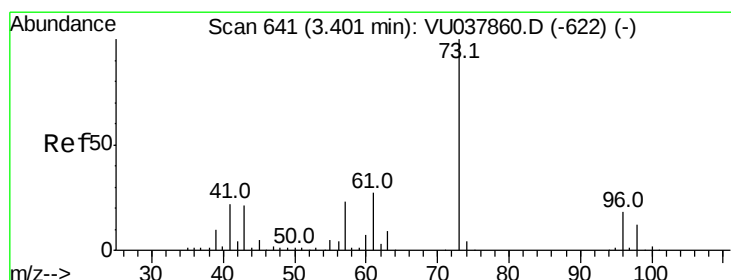
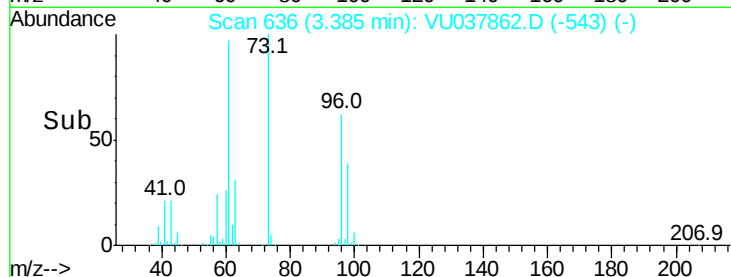
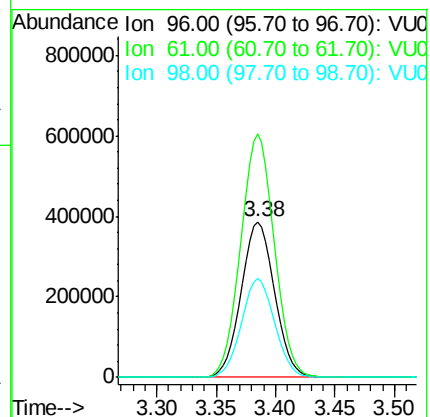
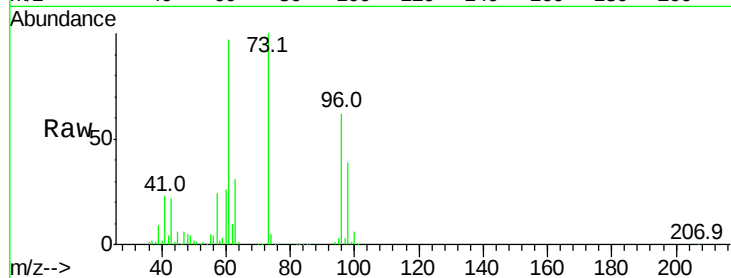
Tgt Ion: 96 Resp: 752314

Ion Ratio Lower Upper

96 100

61 156.8 111.4 207.0

98 63.8 43.9 81.5



#18

Methyl tert-butyl Ether

Concen: 190.614 ug/L

RT: 3.40 min Scan# 641

Delta R.T. -0.00 min

Lab File: VU037862.D

Acq: 23 Apr 2020 15:22

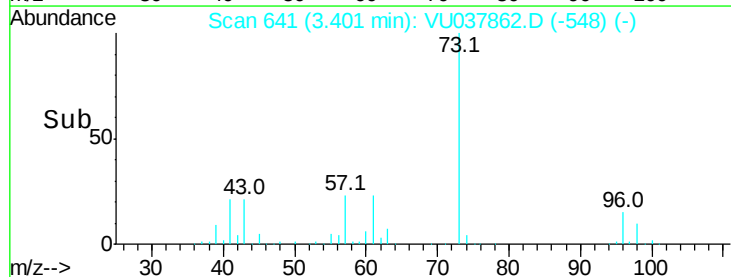
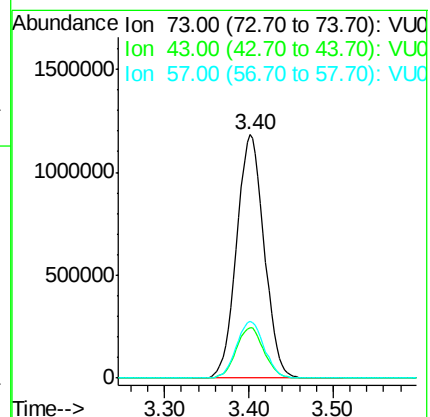
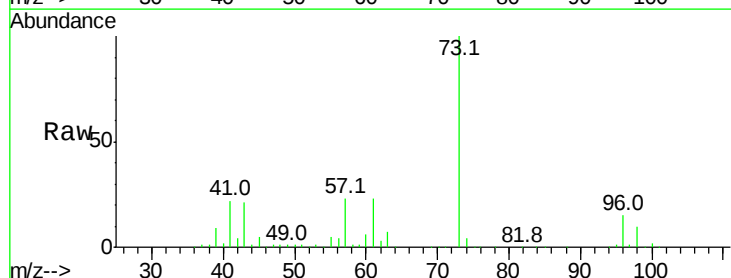
Tgt Ion: 73 Resp: 2680701

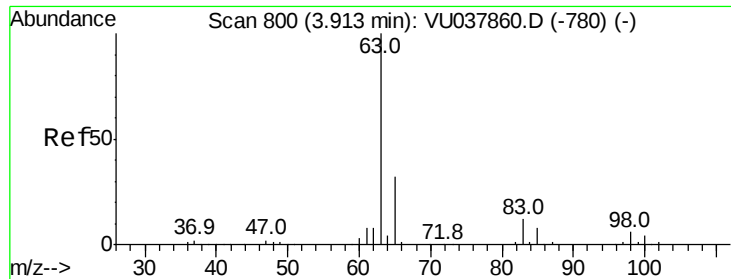
Ion Ratio Lower Upper

73 100

43 21.0 17.0 25.6

57 23.4 18.7 28.1

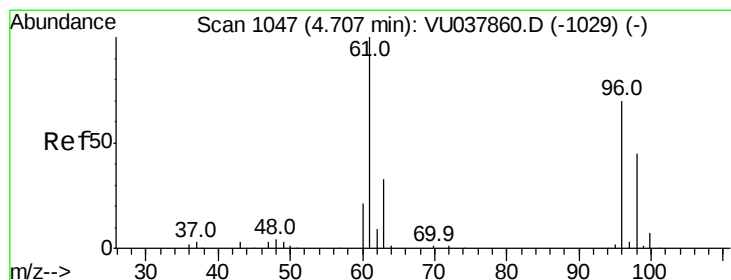
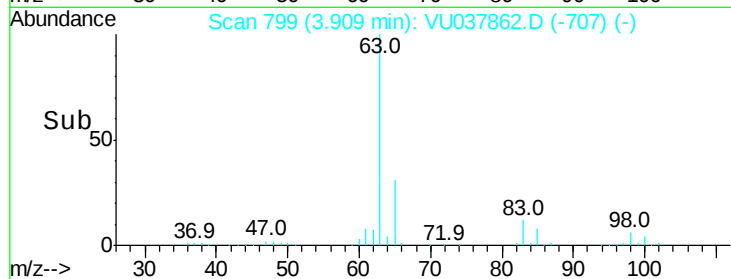
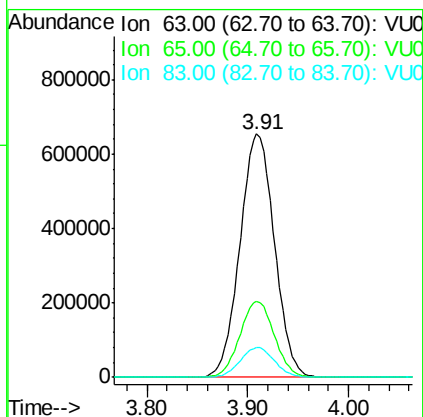
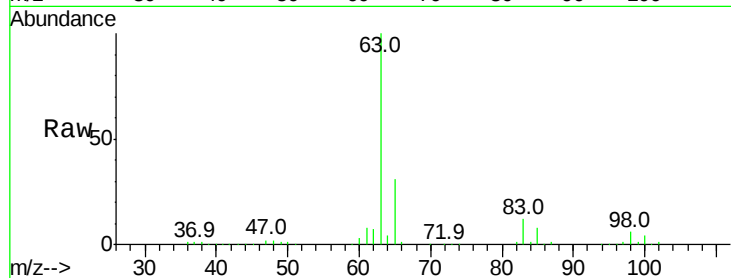




#19
 1,1-Dichloroethane
 Concen: 188.905 ug/L
 RT: 3.91 min Scan# 799
 Delta R.T. -0.00 min
 Lab File: VU037862.D
 Acq: 23 Apr 2020 15:22

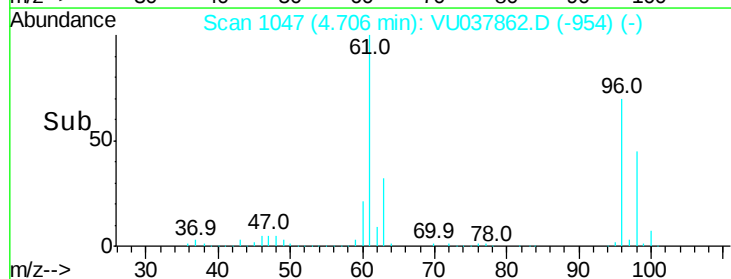
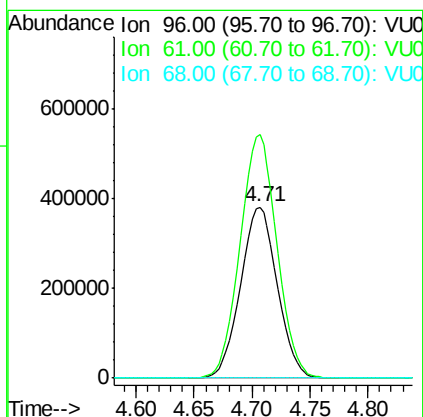
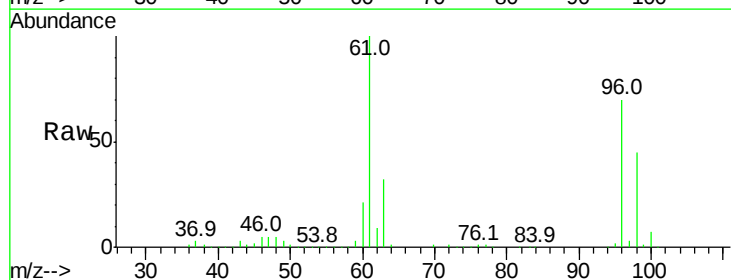
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD20031

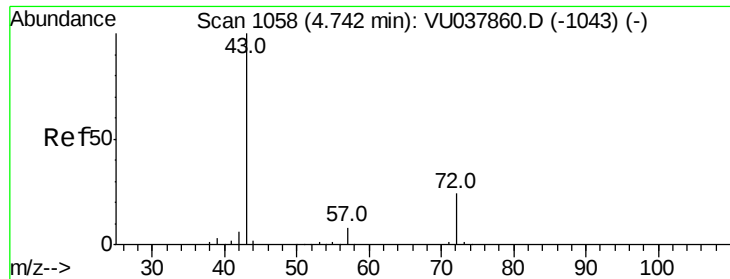
Tgt Ion: 63 Resp: 1549584
 Ion Ratio Lower Upper
 63 100
 65 31.4 22.2 41.2
 83 12.2 8.6 16.0



#20
 cis-1,2-Dichloroethene
 Concen: 190.250 ug/L
 RT: 4.71 min Scan# 1047
 Delta R.T. -0.00 min
 Lab File: VU037862.D
 Acq: 23 Apr 2020 15:22

Tgt Ion: 96 Resp: 840032
 Ion Ratio Lower Upper
 96 100
 61 142.5 100.4 186.4
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 376.309 ug/L

RT: 4.75 min Scan# 1059

Delta R.T. 0.00 min

Lab File: VU037862.D

Acq: 23 Apr 2020 15:22

Instrument :

MSVOA_U

ClientSampleId :

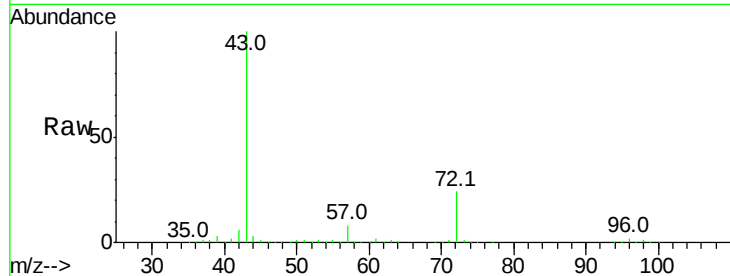
VSTD20031

Tgt Ion: 43 Resp: 1643045

Ion Ratio Lower Upper

43 100

72 24.8 12.6 37.6



Abundance Ion 43.00 (42.70 to 43.70): VU037862.D (-1043) (-)

Ion 72.00 (71.70 to 72.70): VU037862.D (-1043) (-)

4.75

800000

600000

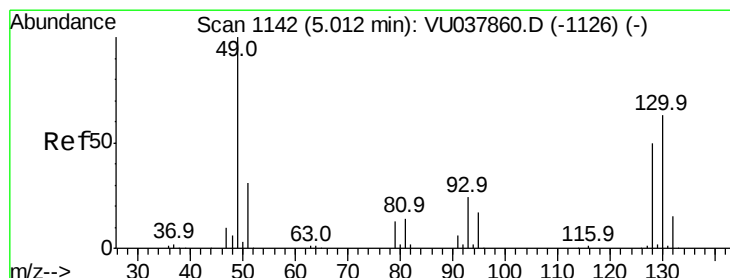
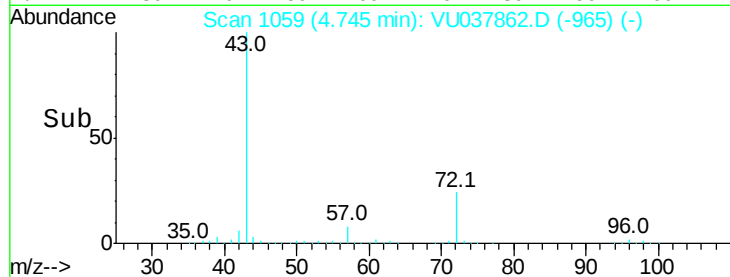
400000

200000

0

4.70 4.80

Time-->



#23

Bromochloromethane

Concen: 193.209 ug/L

RT: 5.01 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VU037862.D

Acq: 23 Apr 2020 15:22

Tgt Ion: 128 Resp: 409700

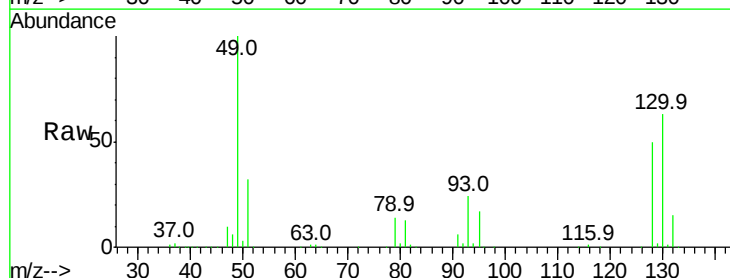
Ion Ratio Lower Upper

128 100

49 198.8 140.9 261.7

130 124.5 88.6 164.6

51 63.1 50.0 75.0



Abundance Ion 128.00 (127.70 to 128.70): VU037862.D (-1126) (-)

Ion 49.00 (48.70 to 49.70): VU037862.D (-1126) (-)

Ion 130.00 (129.70 to 130.70): VU037862.D (-1126) (-)

Ion 51.00 (50.70 to 51.70): VU037862.D (-1126) (-)

600000

500000

400000

300000

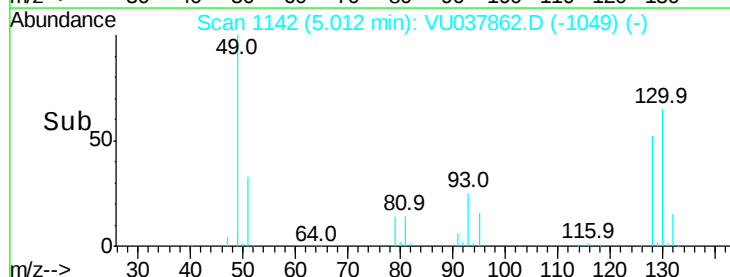
200000

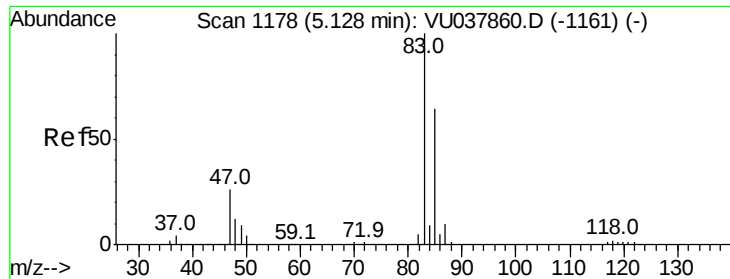
100000

0

4.90 5.00 5.10

Time-->





#25

Chloroform

Concen: 187.184 ug/L

RT: 5.13 min Scan# 1178

Delta R.T. -0.00 min

Lab File: VU037862.D

Acq: 23 Apr 2020 15:22

Instrument :

MSVOA_U

ClientSampleId :

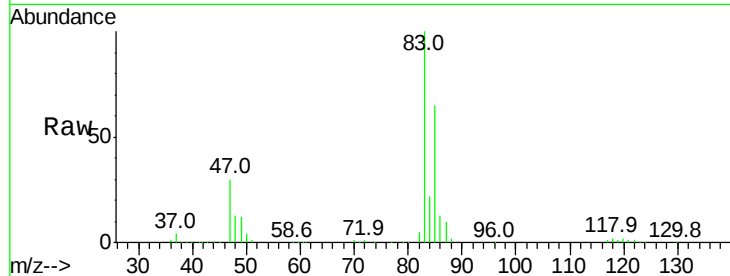
VSTD20031

Tgt Ion: 83 Resp: 1437701

Ion Ratio Lower Upper

83 100

85 64.6 45.1 83.9



Abundance Ion 83.00 (82.70 to 83.70): VU037862.D (-1161) (-)

Ion 85.00 (84.70 to 85.70): VU037862.D (-1161) (-)

5.13

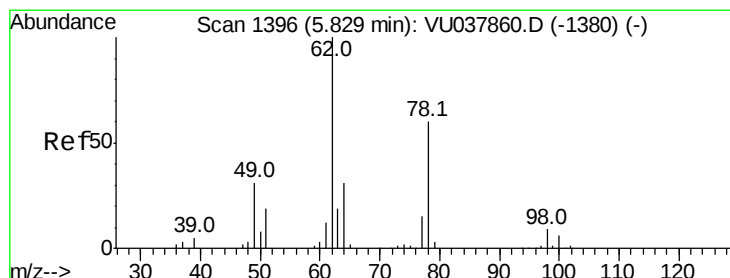
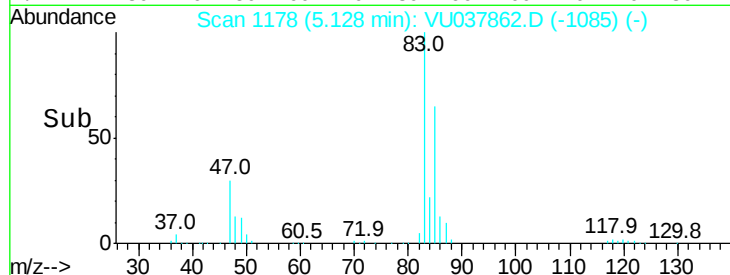
600000

400000

200000

0

Time-->



#27

1,2-Dichloroethane

Concen: 185.743 ug/L

RT: 5.83 min Scan# 1396

Delta R.T. -0.00 min

Lab File: VU037862.D

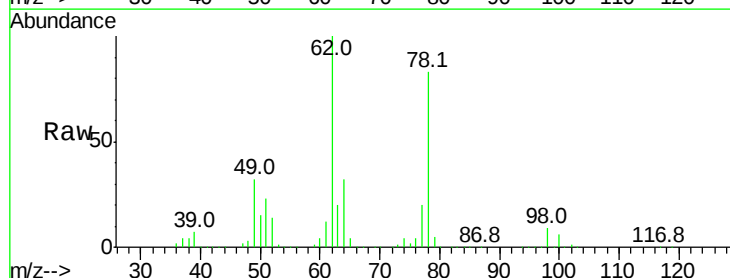
Acq: 23 Apr 2020 15:22

Tgt Ion: 62 Resp: 1229858

Ion Ratio Lower Upper

62 100

98 8.9 7.3 10.9



Abundance Ion 62.00 (61.70 to 62.70): VU037862.D (-1380) (-)

Ion 98.00 (97.70 to 98.70): VU037862.D (-1380) (-)

5.83

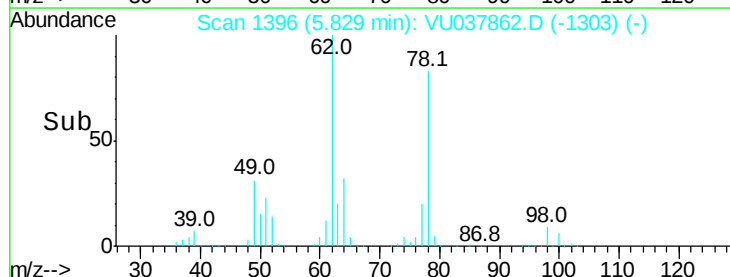
600000

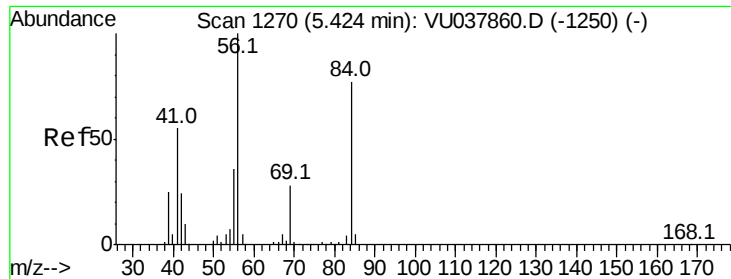
400000

200000

0

Time-->

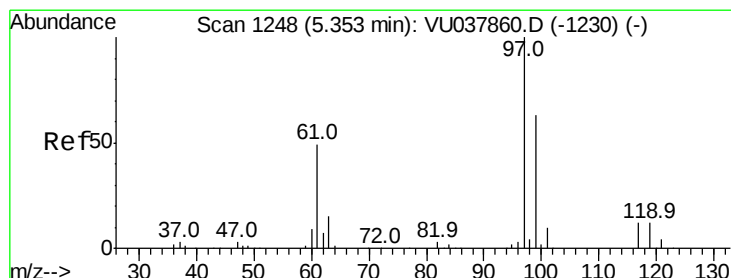
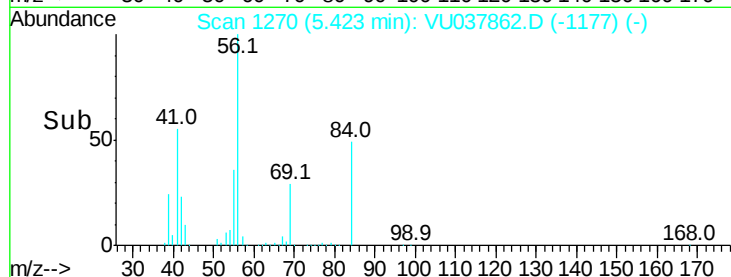
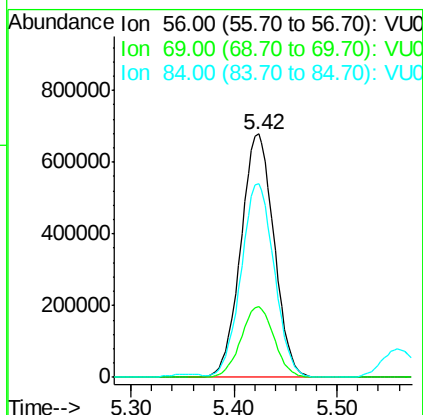
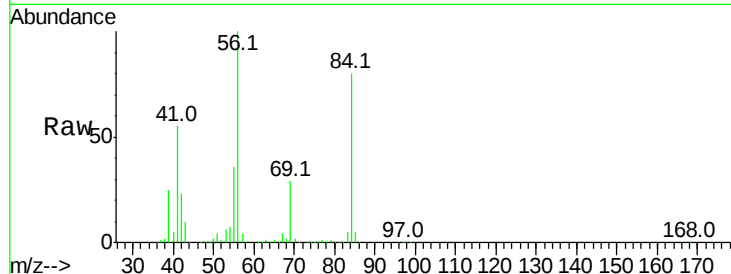




#29
Cyclohexane
Concen: 183.018 ug/L
RT: 5.42 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VU037862.D
Acq: 23 Apr 2020 15:22

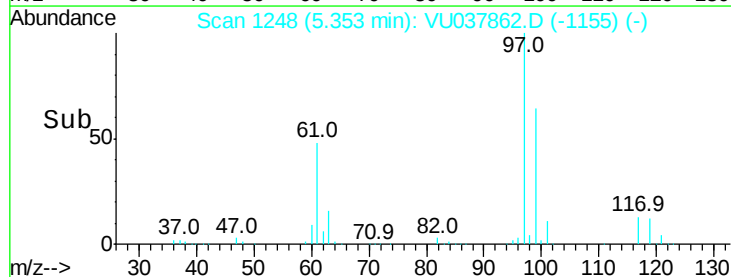
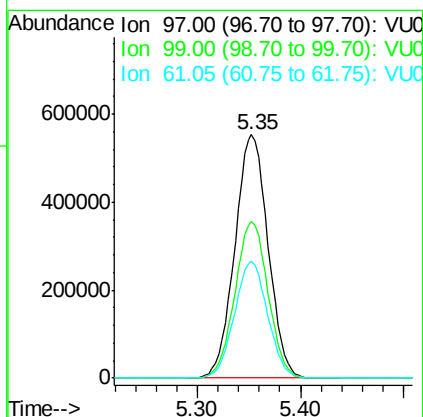
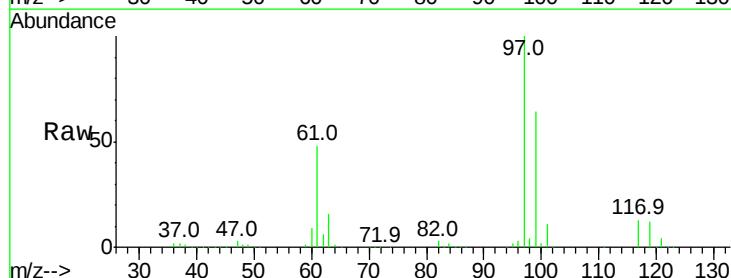
Instrument :
MSVOA_U
ClientSampleId :
VSTD20031

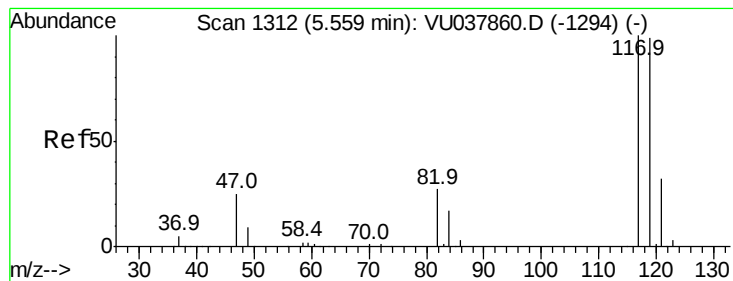
Tgt Ion: 56 Resp: 1516184
Ion Ratio Lower Upper
56 100
69 29.0 22.9 34.3
84 79.6 63.6 95.4



#30
1,1,1-Trichloroethane
Concen: 183.179 ug/L
RT: 5.35 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VU037862.D
Acq: 23 Apr 2020 15:22

Tgt Ion: 97 Resp: 1237630
Ion Ratio Lower Upper
97 100
99 64.2 50.7 76.1
61 47.8 38.9 58.3





#31

Carbon tetrachloride

Concen: 187.006 ug/L

RT: 5.56 min Scan# 1312

Delta R.T. -0.00 min

Lab File: VU037862.D

Acq: 23 Apr 2020 15:22

Instrument :

MSVOA_U

ClientSampleId :

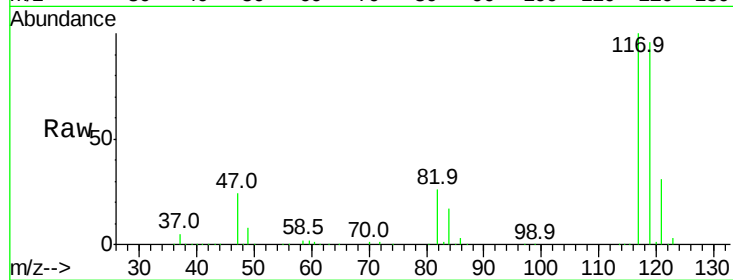
VSTD20031

Tgt Ion:117 Resp: 1016457

Ion Ratio Lower Upper

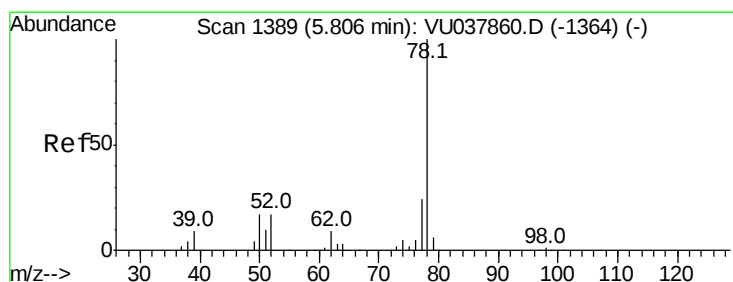
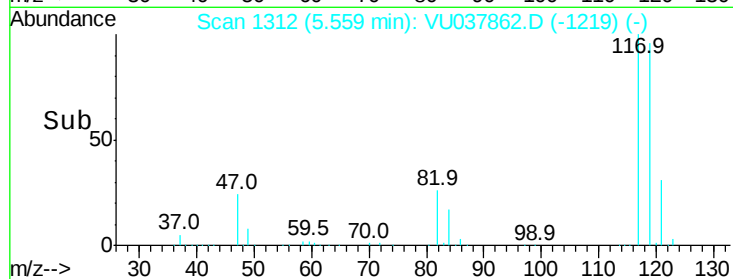
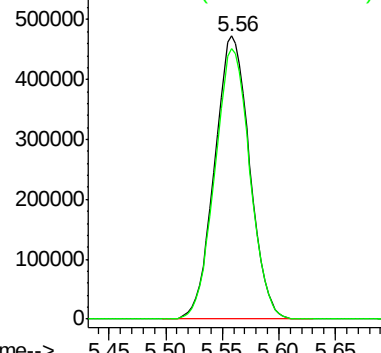
117 100

119 95.9 76.7 115.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 184.235 ug/L

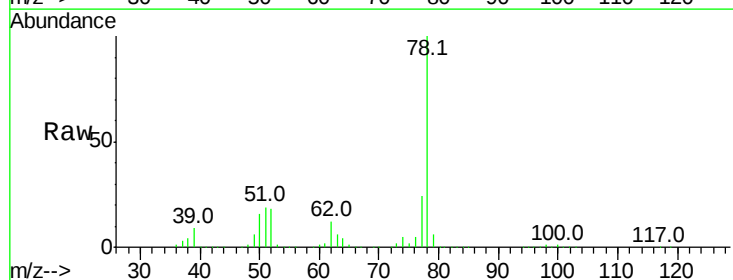
RT: 5.81 min Scan# 1390

Delta R.T. 0.00 min

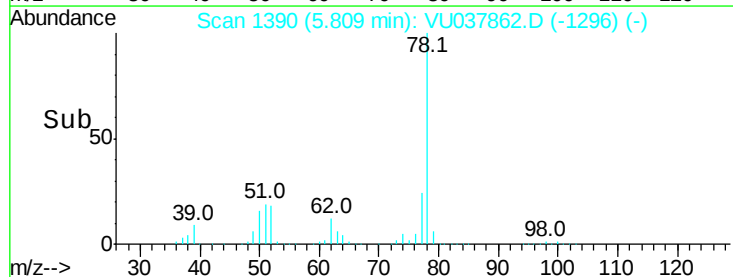
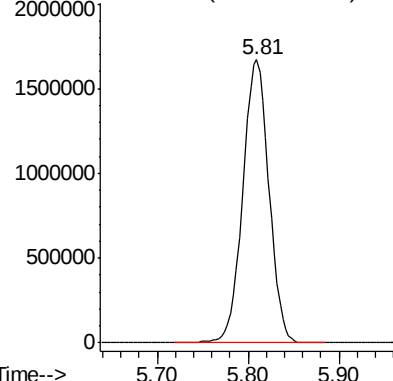
Lab File: VU037862.D

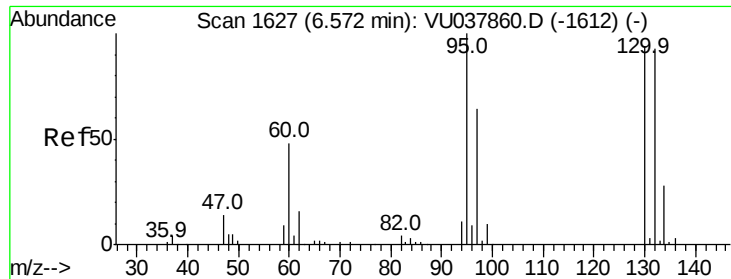
Acq: 23 Apr 2020 15:22

Tgt Ion: 78 Resp: 3329284



Abundance Ion 78.00 (77.70 to 78.70): VU0





#34

Trichloroethene

Concen: 182.416 ug/L

RT: 6.57 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VU037862.D

Acq: 23 Apr 2020 15:22

Instrument :

MSVOA_U

ClientSampleId :

VSTD20031

Tgt Ion: 95 Resp: 813776

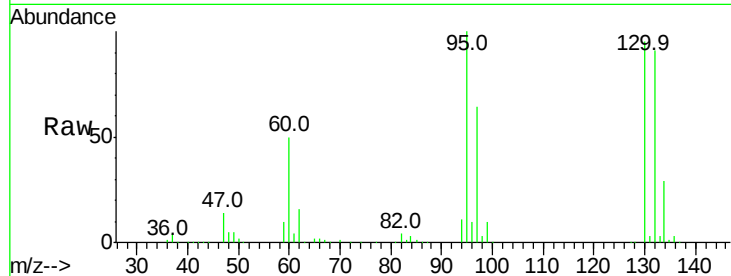
Ion Ratio Lower Upper

95 100

97 63.7 44.4 82.5

132 91.0 65.0 120.6

130 95.3 65.5 121.7

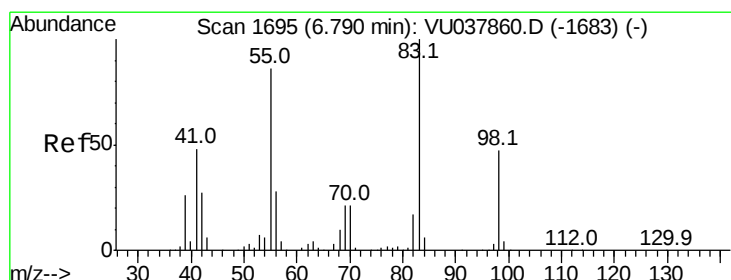
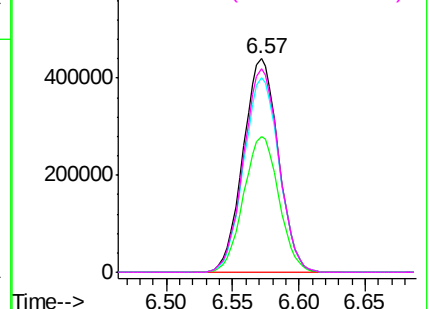
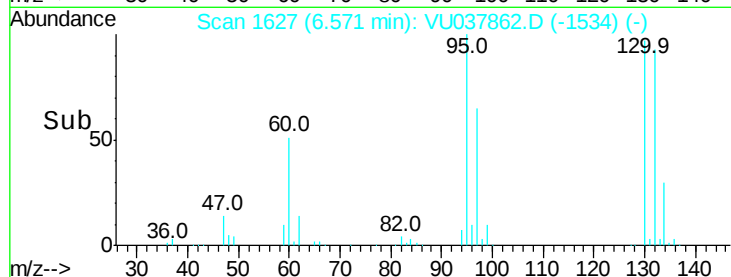


Abundance Ion 95.00 (94.70 to 95.70): VU037862.D (-1612) (-)

Ion 97.00 (96.70 to 97.70): VU037862.D (-1612) (-)

Ion 132.00 (131.70 to 132.70): VU037862.D (-1612) (-)

Ion 130.00 (129.70 to 130.70): VU037862.D (-1612) (-)



#35

Methylcyclohexane

Concen: 181.801 ug/L

RT: 6.79 min Scan# 1695

Delta R.T. -0.00 min

Lab File: VU037862.D

Acq: 23 Apr 2020 15:22

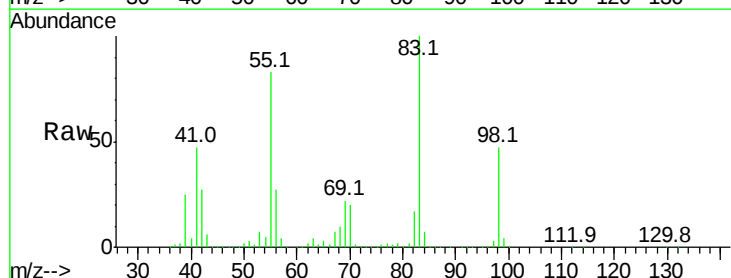
Tgt Ion: 83 Resp: 1415986

Ion Ratio Lower Upper

83 100

55 82.4 66.3 99.5

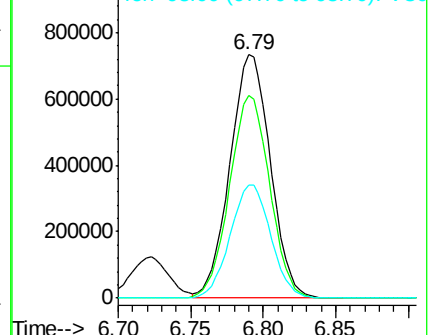
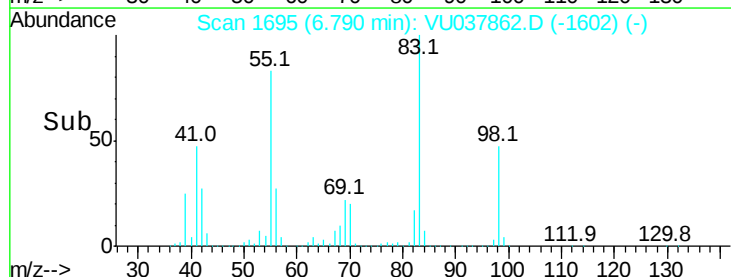
98 46.7 37.4 56.0

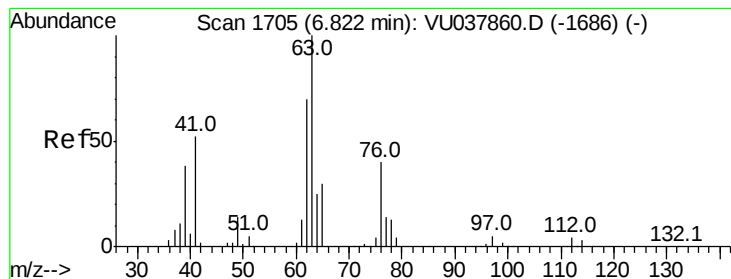


Abundance Ion 83.00 (82.70 to 83.70): VU037862.D (-1683) (-)

Ion 55.00 (54.70 to 55.70): VU037862.D (-1683) (-)

Ion 98.00 (97.70 to 98.70): VU037862.D (-1683) (-)





#37

1,2-Dichloropropane

Concen: 181.313 ug/L

RT: 6.82 min Scan# 1705

Delta R.T. -0.00 min

Lab File: VU037862.D

Acq: 23 Apr 2020 15:22

Instrument :

MSVOA_U

ClientSampleId :

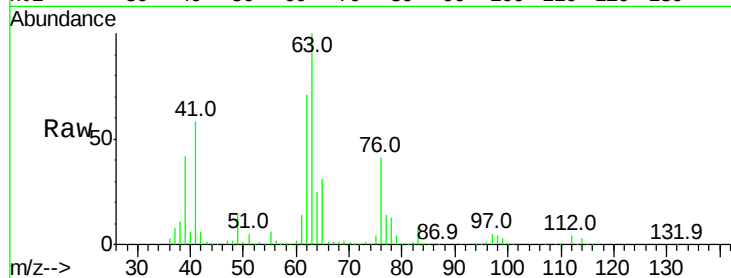
VSTD20031

Tgt Ion: 63 Resp: 925489

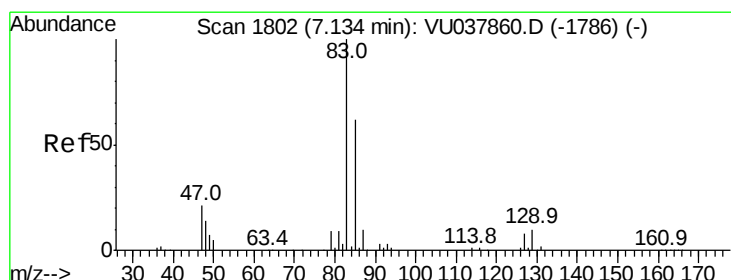
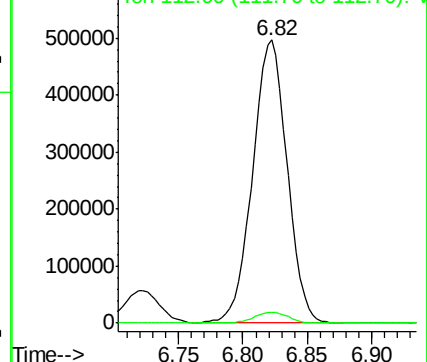
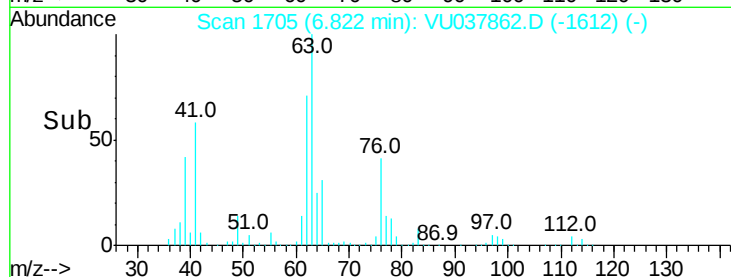
Ion Ratio Lower Upper

63 100

112 4.0 3.0 4.4



Abundance Ion 63.00 (62.70 to 63.70): VU037862.D (-1612) (-)



#38

Bromodichloromethane

Concen: 186.219 ug/L

RT: 7.13 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VU037862.D

Acq: 23 Apr 2020 15:22

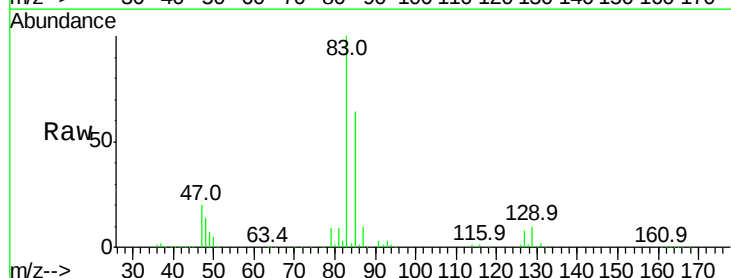
Tgt Ion: 83 Resp: 1143901

Ion Ratio Lower Upper

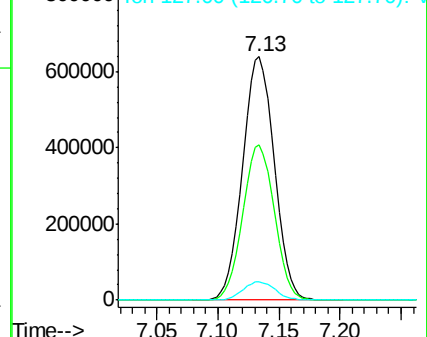
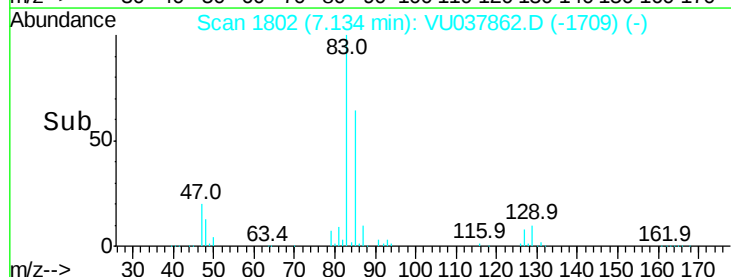
83 100

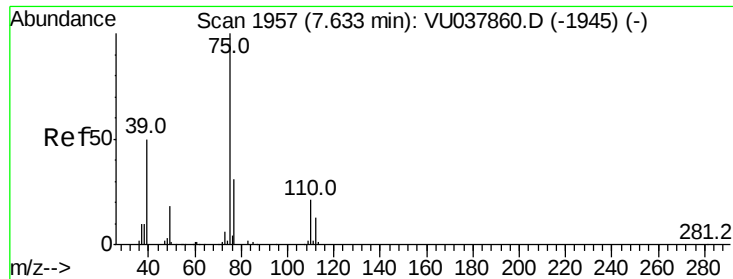
85 63.5 43.3 80.3

127 7.6 6.2 9.2



Abundance Ion 83.00 (82.70 to 83.70): VU037862.D (-1709) (-)

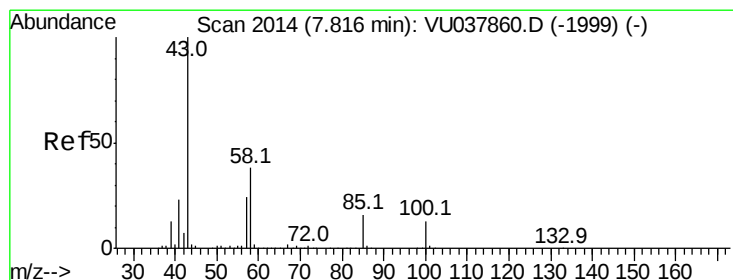
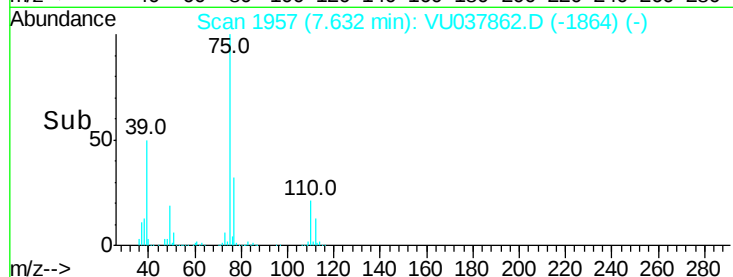
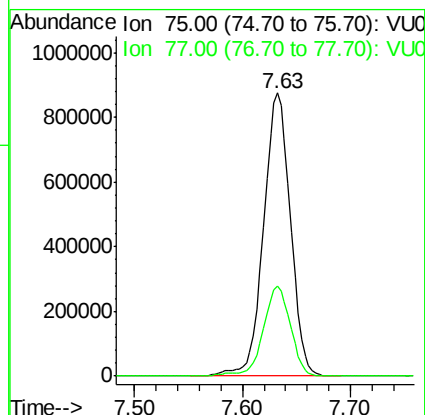
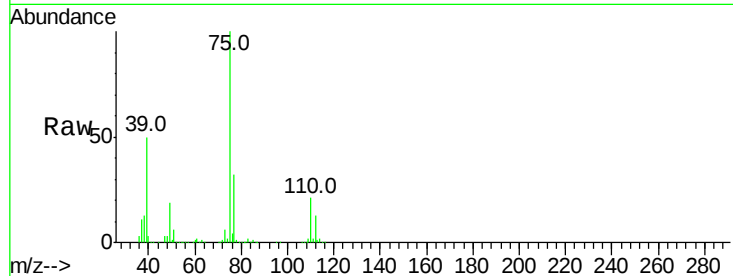




#39
 cis-1,3-Dichloroprene
 Concen: 187.908 ug/L
 RT: 7.63 min Scan# 1957
 Delta R.T. -0.00 min
 Lab File: VU037862.D
 Acq: 23 Apr 2020 15:22

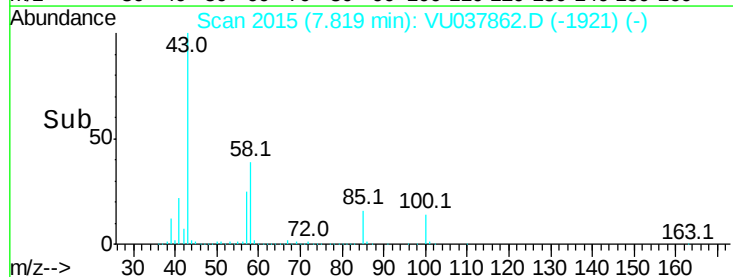
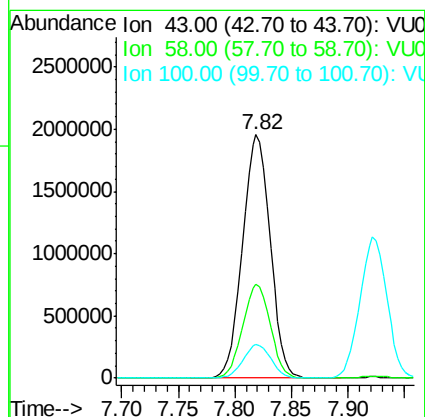
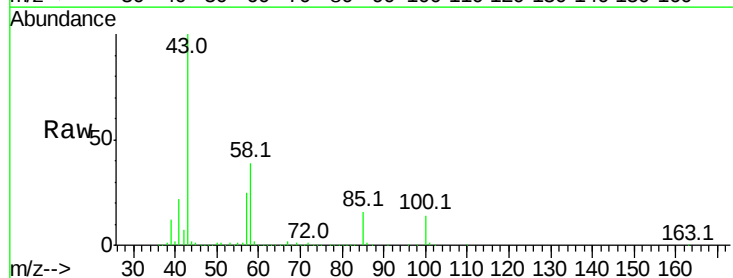
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD20031

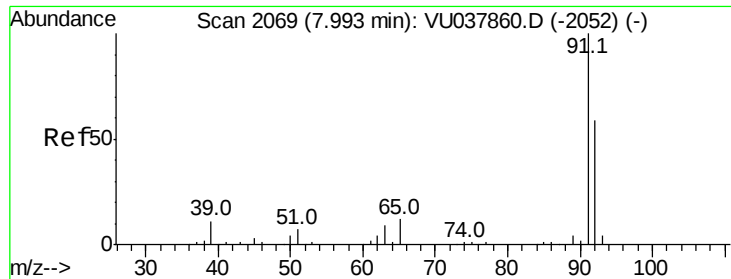
Tgt Ion: 75 Resp: 1510781
 Ion Ratio Lower Upper
 75 100
 77 31.6 21.7 40.3



#40
 4-Methyl-2-pentanone
 Concen: 381.940 ug/L
 RT: 7.82 min Scan# 2015
 Delta R.T. 0.00 min
 Lab File: VU037862.D
 Acq: 23 Apr 2020 15:22

Tgt Ion: 43 Resp: 3325748
 Ion Ratio Lower Upper
 43 100
 58 38.5 30.2 45.2
 100 13.9 10.9 16.3





#42

Toluene

Concen: 185.926 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. -0.00 min

Lab File: VU037862.D

Acq: 23 Apr 2020 15:22

Instrument :

MSVOA_U

ClientSampleId :

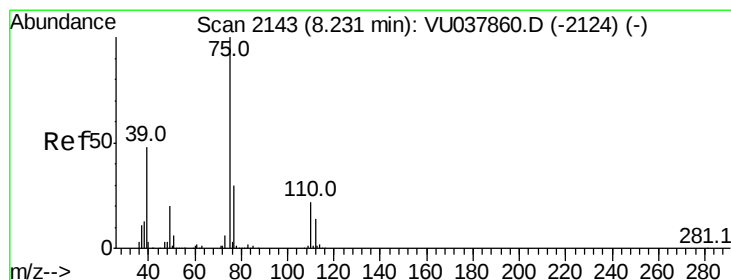
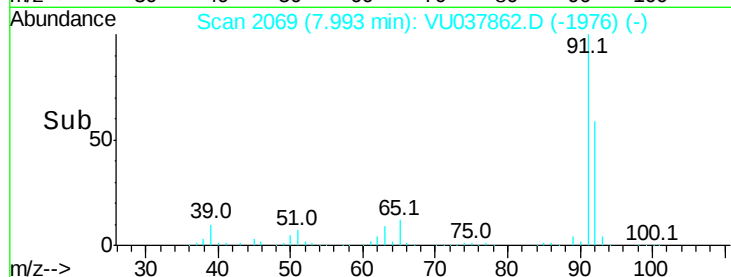
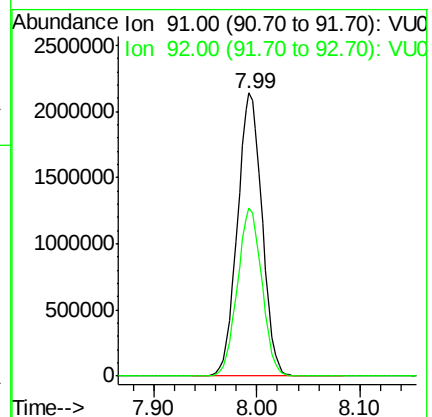
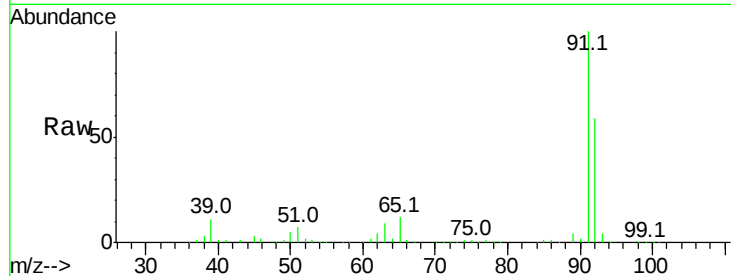
VSTD20031

Tgt Ion: 91 Resp: 3558031

Ion Ratio Lower Upper

91 100

92 59.2 41.2 76.6



#44

trans-1,3-Dichloropropene

Concen: 189.022 ug/L

RT: 8.23 min Scan# 2144

Delta R.T. 0.00 min

Lab File: VU037862.D

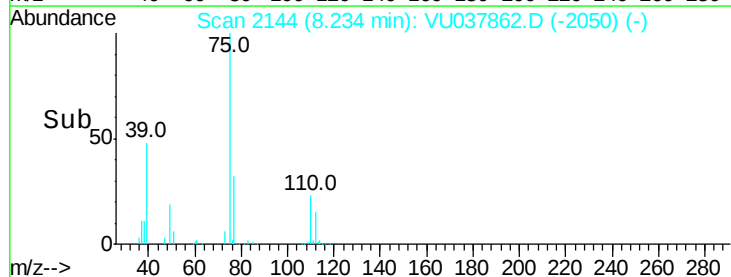
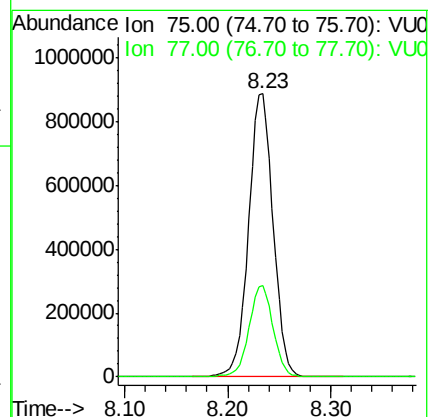
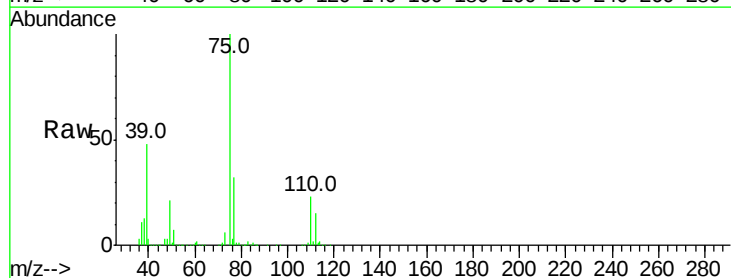
Acq: 23 Apr 2020 15:22

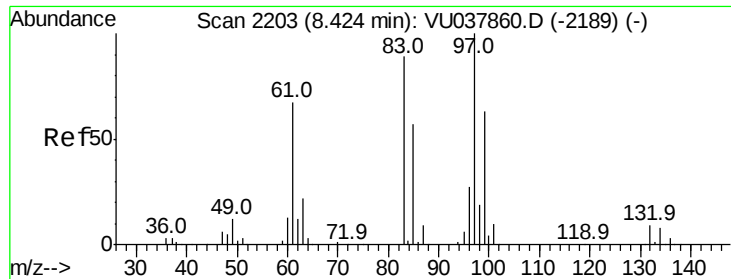
Tgt Ion: 75 Resp: 1460711

Ion Ratio Lower Upper

75 100

77 32.2 21.0 39.0





#45

1,1,2-Trichloroethane

Concen: 185.389 ug/L

RT: 8.42 min Scan# 2203

Delta R.T. -0.00 min

Lab File: VU037862.D

Acq: 23 Apr 2020 15:22

Instrument :

MSVOA_U

ClientSampleId :

VSTD20031

Tgt Ion: 97 Resp: 817677

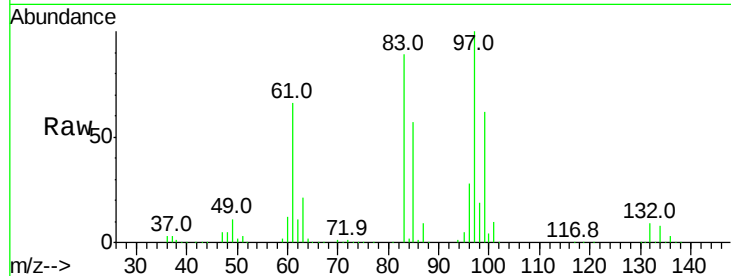
Ion Ratio Lower Upper

97 100

99 62.2 44.0 81.6

83 88.7 62.6 116.2

85 57.3 40.0 74.4

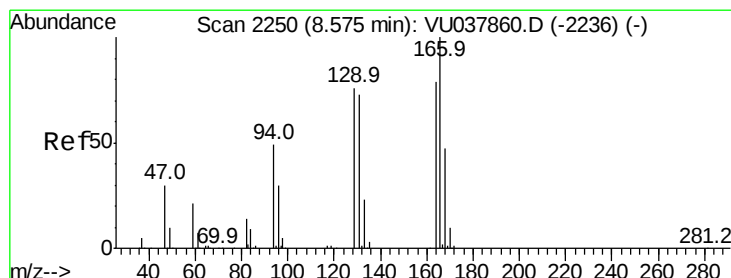
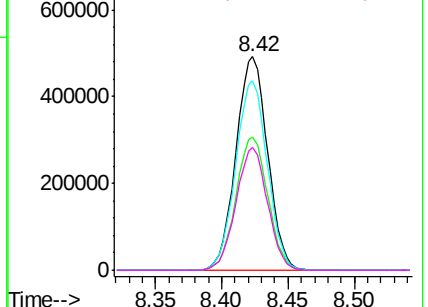
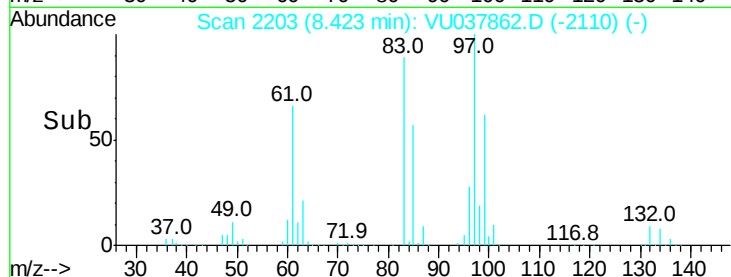


Abundance Ion 97.00 (96.70 to 97.70): VU0

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: 187.151 ug/L

RT: 8.57 min Scan# 2250

Delta R.T. -0.00 min

Lab File: VU037862.D

Acq: 23 Apr 2020 15:22

Tgt Ion: 164 Resp: 599753

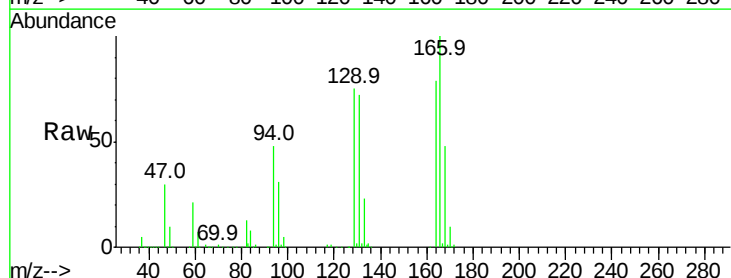
Ion Ratio Lower Upper

164 100

129 94.8 67.3 125.1

131 92.1 64.8 120.4

166 127.2 88.5 164.4

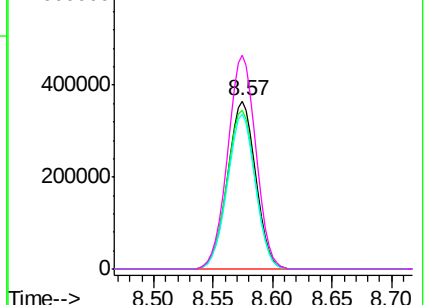
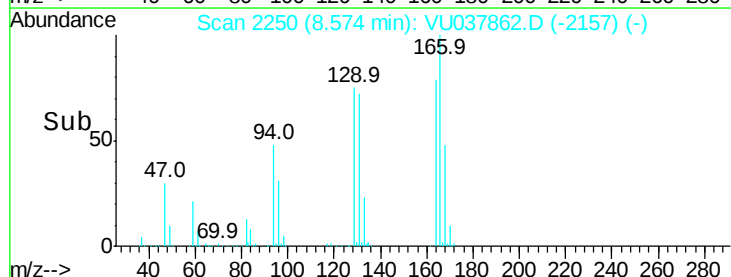


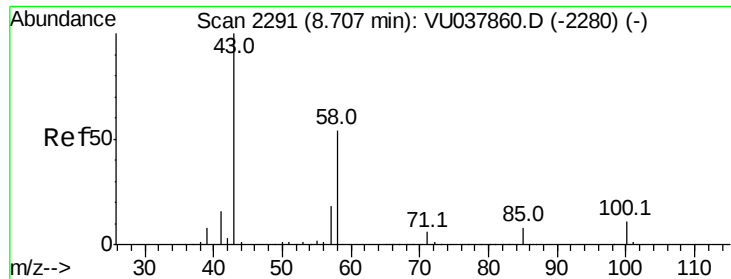
Abundance Ion 164.00 (163.70 to 164.70): V

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



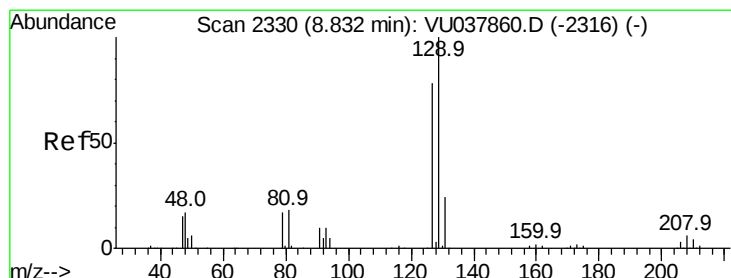
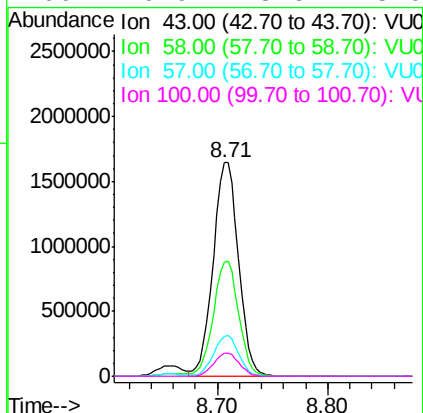
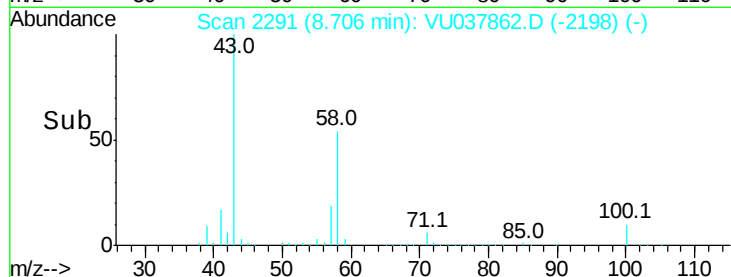
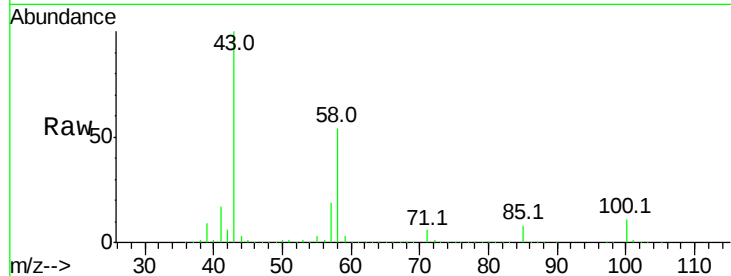


#48
2-Hexanone
Concen: 377.179 ug/L
RT: 8.71 min Scan# 2291
Delta R.T. -0.00 min
Lab File: VU037862.D
Acq: 23 Apr 2020 15:22

Instrument :
MSVOA_U
ClientSampleId :
VSTD20031

Tgt Ion: 43 Resp: 2605444

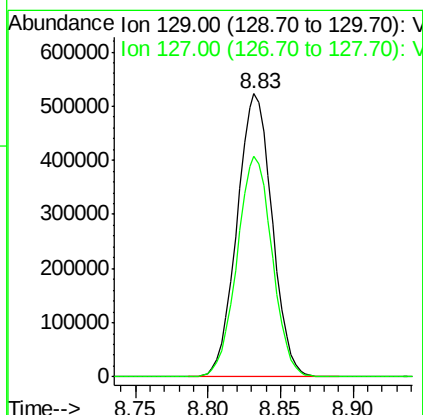
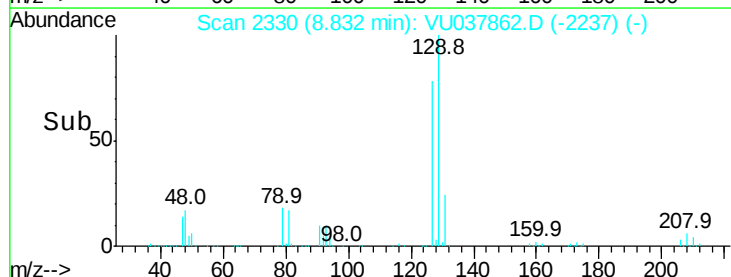
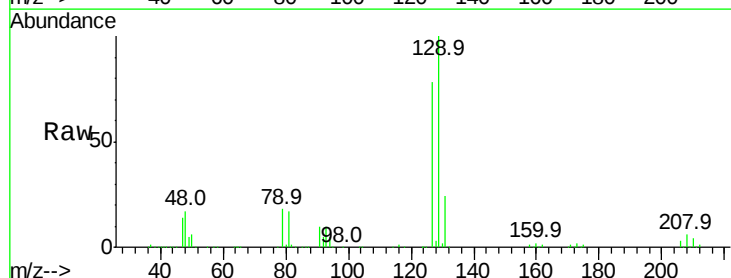
Ion	Ratio	Lower	Upper
43	100		
58	53.7	42.6	63.8
57	18.8	14.6	22.0
100	10.9	8.6	13.0

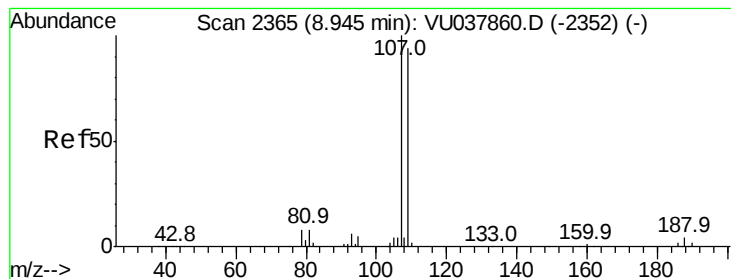


#49
Dibromochloromethane
Concen: 191.458 ug/L
RT: 8.83 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VU037862.D
Acq: 23 Apr 2020 15:22

Tgt Ion: 129 Resp: 879133

Ion	Ratio	Lower	Upper
129	100		
127	77.8	54.7	101.5





#50

1,2-Dibromoethane

Concen: 190.006 ug/L

RT: 8.94 min Scan# 2365

Delta R.T. -0.00 min

Lab File: VU037862.D

Acq: 23 Apr 2020 15:22

Instrument :

MSVOA_U

ClientSampleId :

VSTD20031

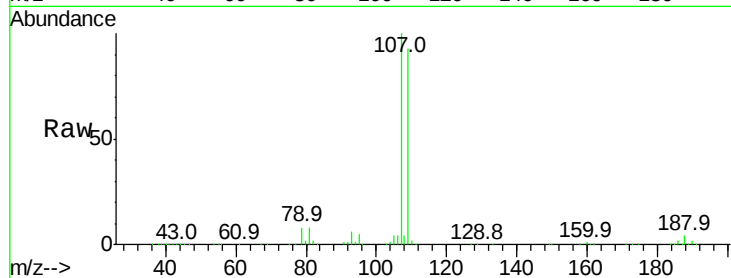
Tgt Ion:107 Resp: 899540

Ion Ratio Lower Upper

107 100

109 92.9 65.7 122.1

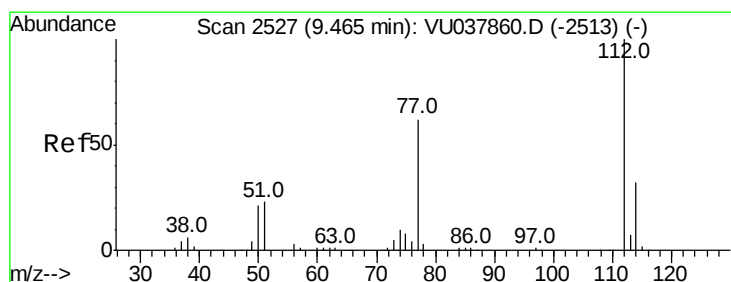
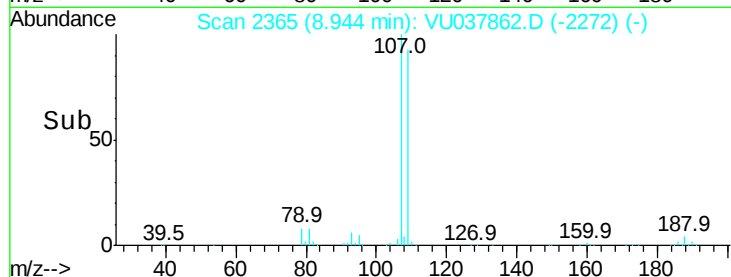
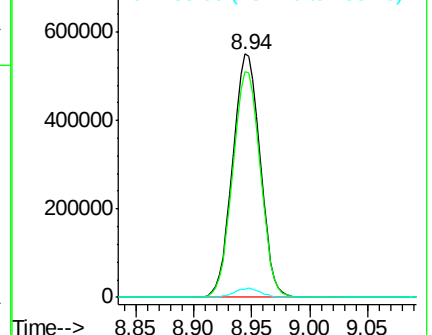
188 3.5 2.9 4.3



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V



#51

Chlorobenzene

Concen: 186.232 ug/L

RT: 9.47 min Scan# 2527

Delta R.T. -0.00 min

Lab File: VU037862.D

Acq: 23 Apr 2020 15:22

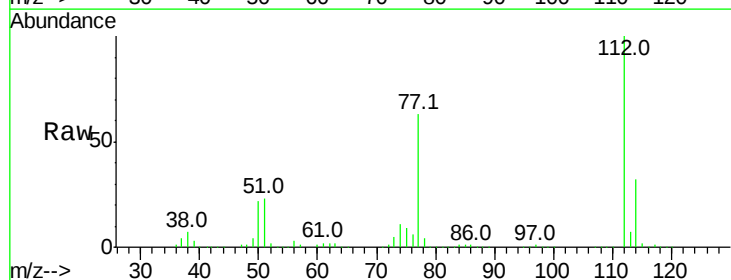
Tgt Ion:112 Resp: 2225603

Ion Ratio Lower Upper

112 100

114 32.2 22.3 41.3

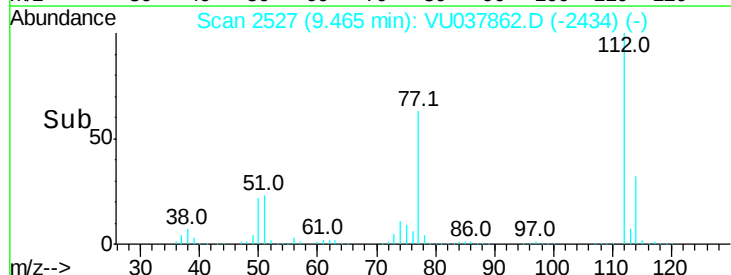
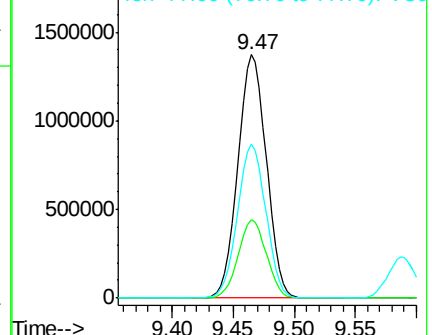
77 63.1 49.8 74.6

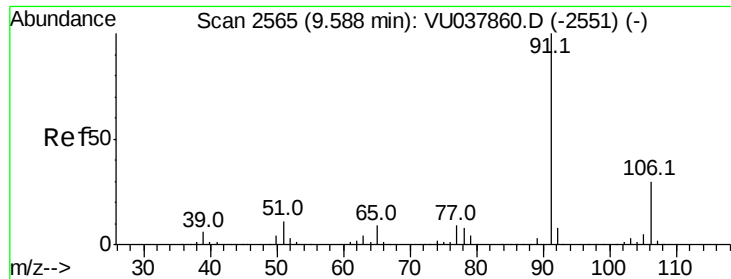


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VU





#52

Ethylbenzene

Concen: 190.587 ug/L

RT: 9.59 min Scan# 2565

Delta R.T. -0.00 min

Lab File: VU037862.D

Acq: 23 Apr 2020 15:22

Instrument :

MSVOA_U

ClientSampleId :

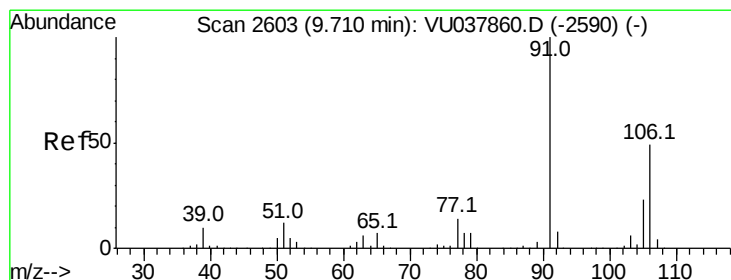
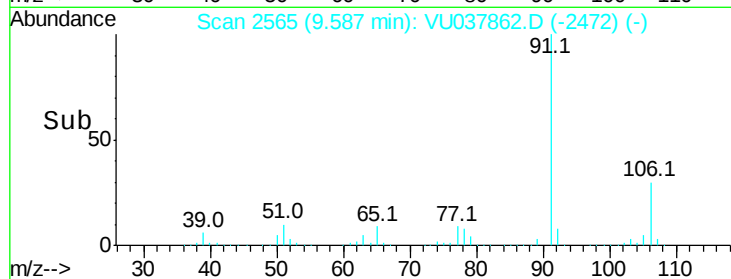
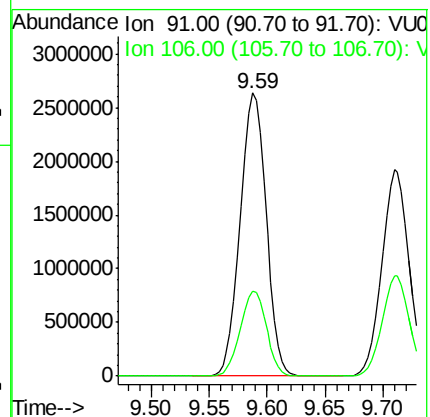
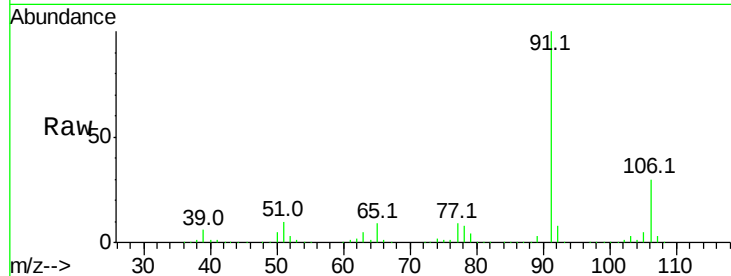
VSTD20031

Tgt Ion: 91 Resp: 4090363

Ion Ratio Lower Upper

91 100

106 30.2 21.1 39.1



#53

m,p-Xylene

Concen: 188.038 ug/L

RT: 9.71 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VU037862.D

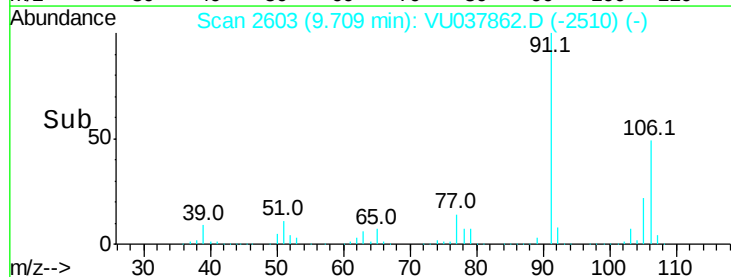
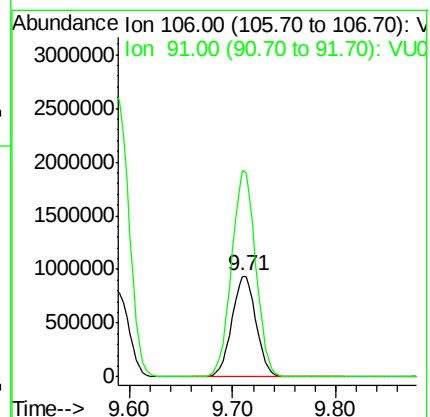
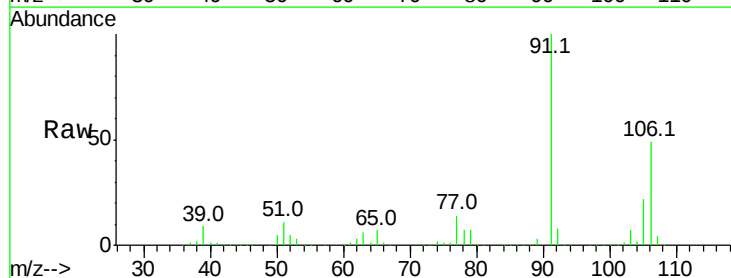
Acq: 23 Apr 2020 15:22

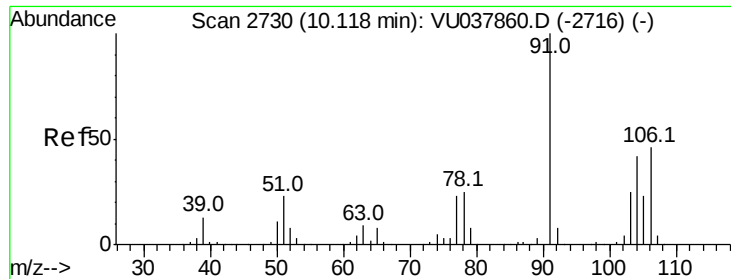
Tgt Ion: 106 Resp: 1530407

Ion Ratio Lower Upper

106 100

91 204.4 142.8 265.2





#54

o-xylene

Concen: 191.385 ug/L

RT: 10.12 min Scan# 2730

Delta R.T. -0.00 min

Lab File: VU037862.D

Acq: 23 Apr 2020 15:22

Instrument :

MSVOA_U

ClientSampleId :

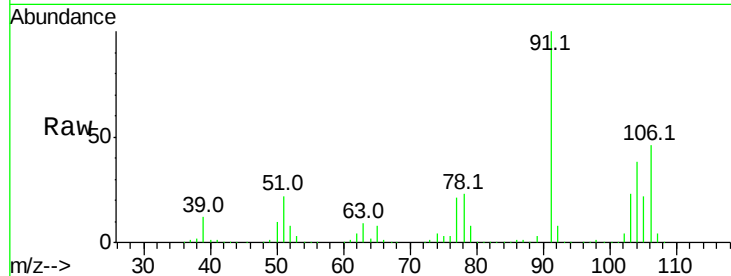
VSTD20031

Tgt Ion:106 Resp: 1513630

Ion Ratio Lower Upper

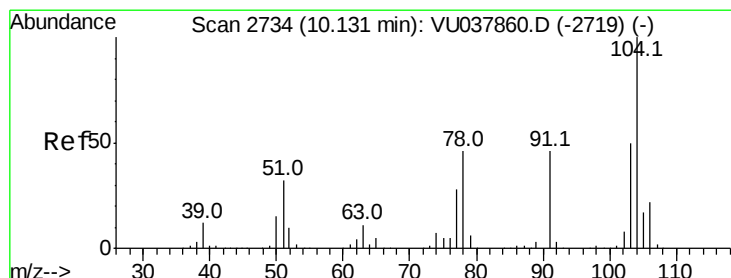
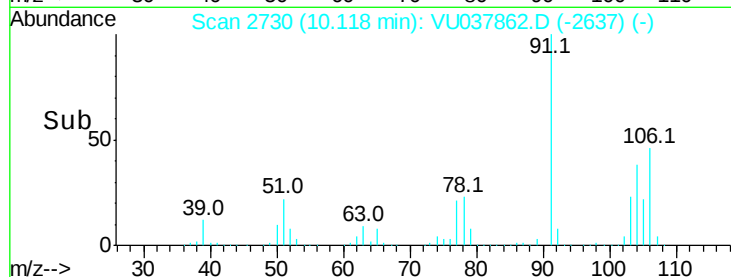
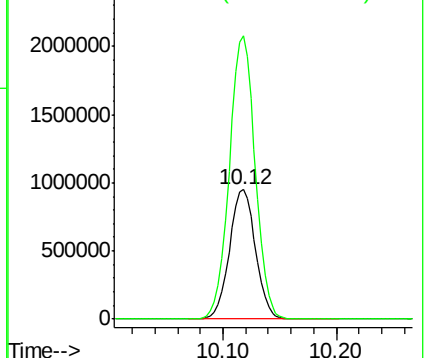
106 100

91 218.3 150.6 279.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 193.928 ug/L

RT: 10.13 min Scan# 2734

Delta R.T. -0.00 min

Lab File: VU037862.D

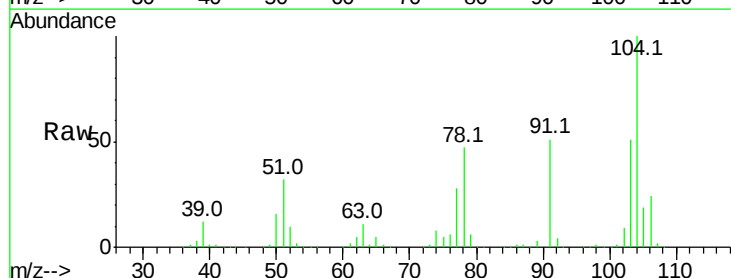
Acq: 23 Apr 2020 15:22

Tgt Ion:104 Resp: 2658155

Ion Ratio Lower Upper

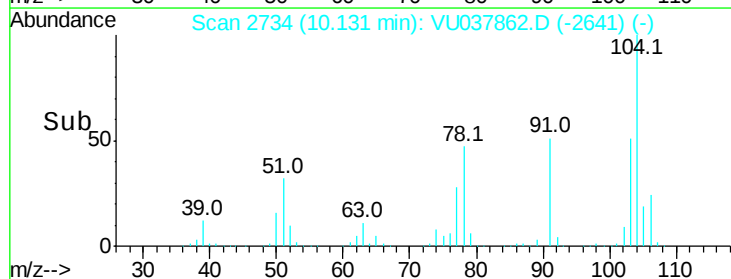
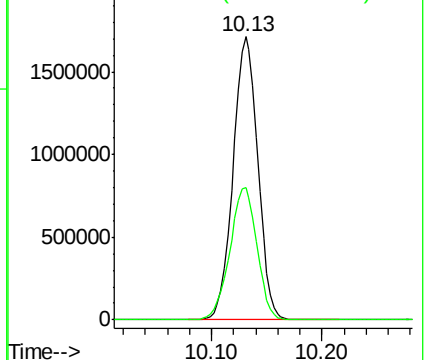
104 100

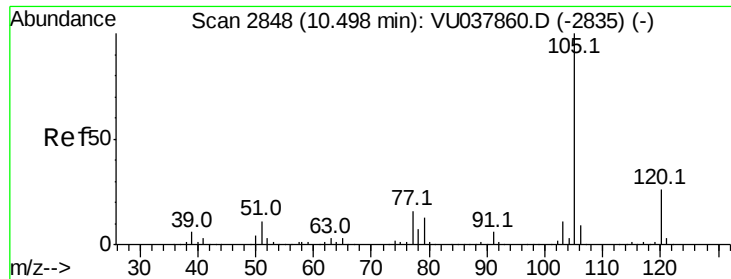
78 46.7 32.6 60.6



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 190.637 ug/L

RT: 10.50 min Scan# 2849

Delta R.T. 0.00 min

Lab File: VU037862.D

Acq: 23 Apr 2020 15:22

Instrument :

MSVOA_U

ClientSampleId :

VSTD20031

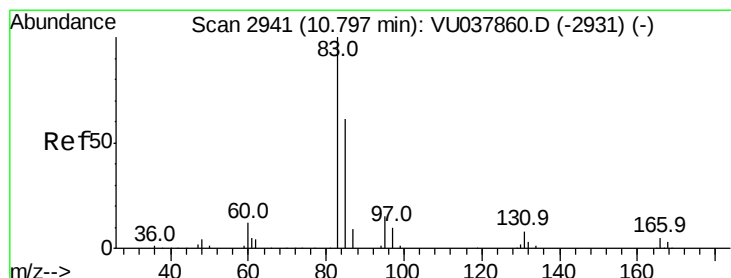
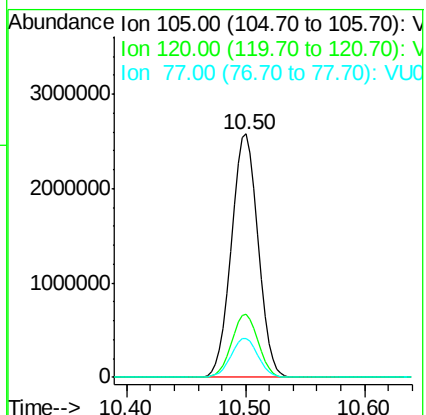
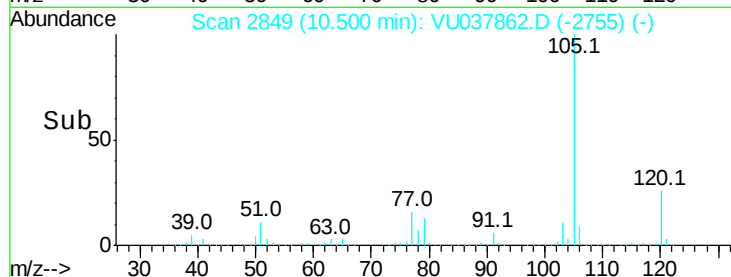
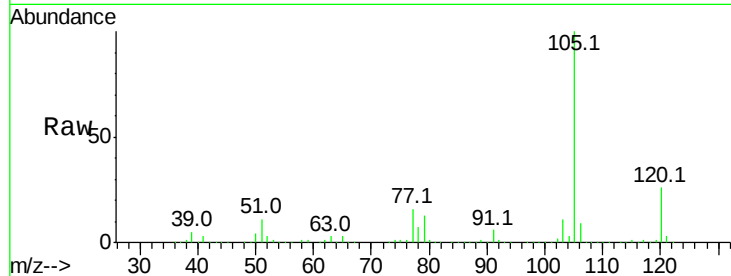
Tgt Ion:105 Resp: 4006141

Ion Ratio Lower Upper

105 100

120 25.8 20.6 31.0

77 16.3 13.0 19.4



#58

1,1,2,2-Tetrachloroethane

Concen: 193.058 ug/L

RT: 10.80 min Scan# 2941

Delta R.T. -0.00 min

Lab File: VU037862.D

Acq: 23 Apr 2020 15:22

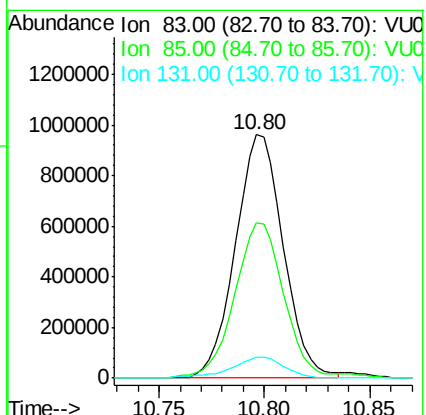
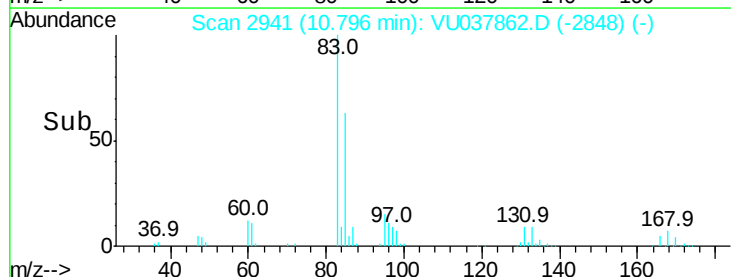
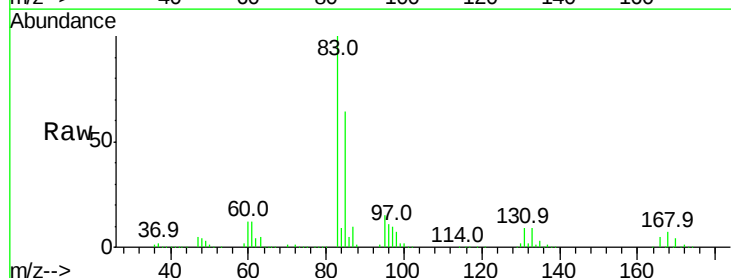
Tgt Ion: 83 Resp: 1517231

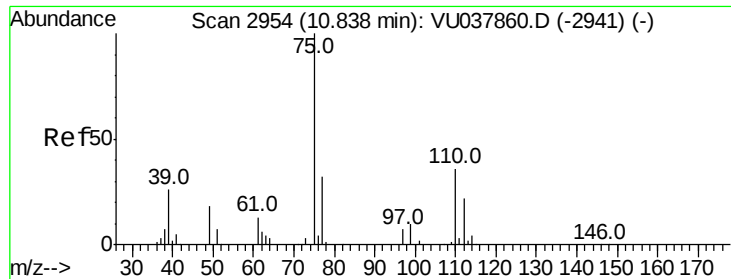
Ion Ratio Lower Upper

83 100

85 63.6 43.8 81.4

131 8.6 7.2 10.8





#59

1,2,3-Trichloropropane

Concen: 191.012 ug/L

RT: 10.84 min Scan# 2954

Delta R.T. -0.00 min

Lab File: VU037862.D

Acq: 23 Apr 2020 15:22

Instrument :

MSVOA_U

ClientSampleId :

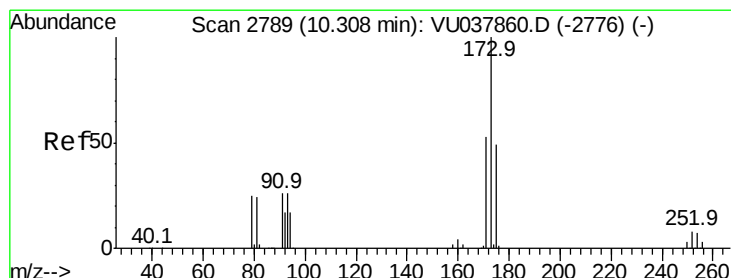
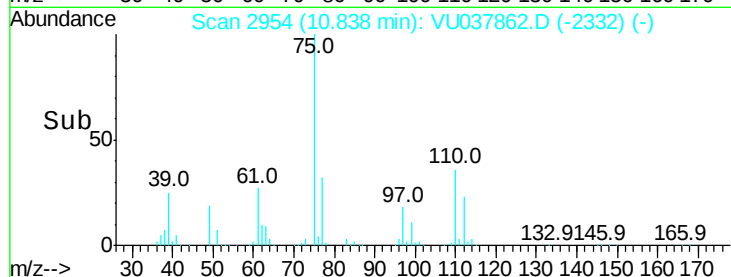
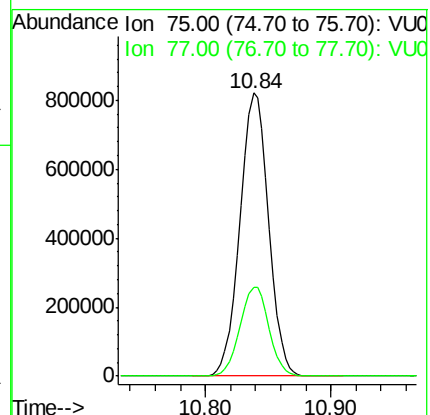
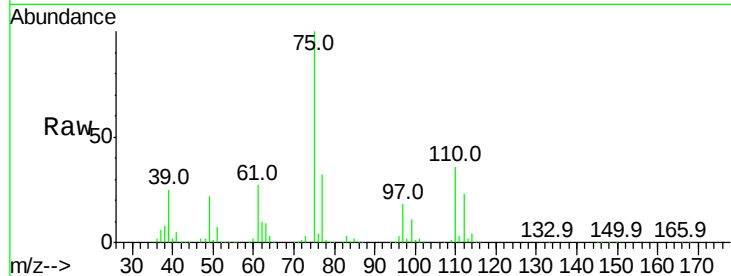
VSTD20031

Tgt Ion: 75 Resp: 1299428

Ion Ratio Lower Upper

75 100

77 31.8 25.8 38.6



#61

Bromoform

Concen: 198.788 ug/L

RT: 10.31 min Scan# 2789

Delta R.T. -0.00 min

Lab File: VU037862.D

Acq: 23 Apr 2020 15:22

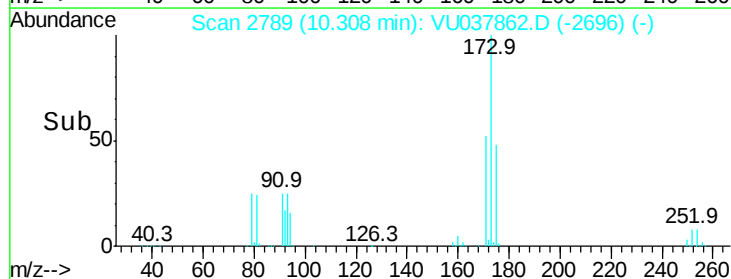
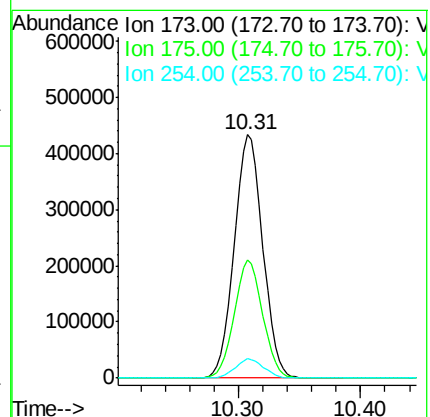
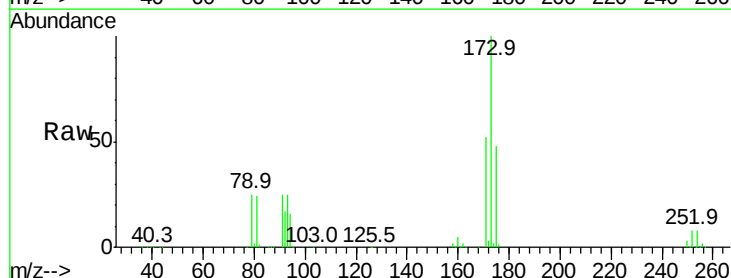
Tgt Ion: 173 Resp: 706052

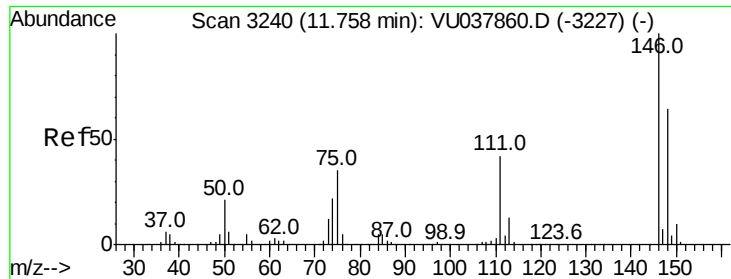
Ion Ratio Lower Upper

173 100

175 48.1 38.8 58.2

254 7.9 5.8 8.8





#62

1,3-Dichlorobenzene

Concen: 187.789 ug/L

RT: 11.76 min Scan# 3240

Delta R.T. -0.00 min

Lab File: VU037862.D

Acq: 23 Apr 2020 15:22

Instrument :

MSVOA_U

ClientSampleId :

VSTD20031

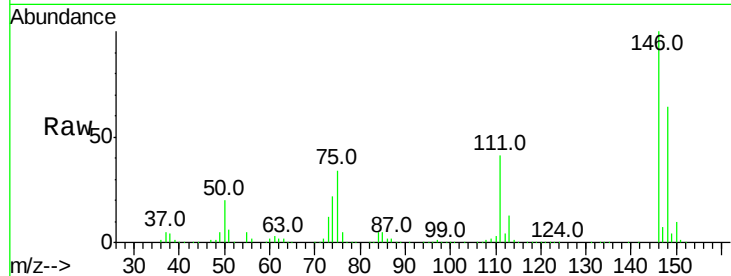
Tgt Ion:146 Resp: 1801468

Ion Ratio Lower Upper

146 100

111 41.2 29.0 53.9

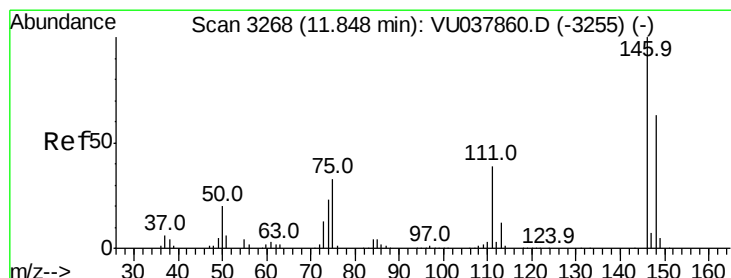
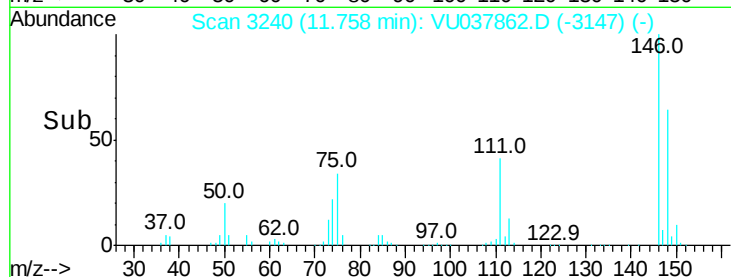
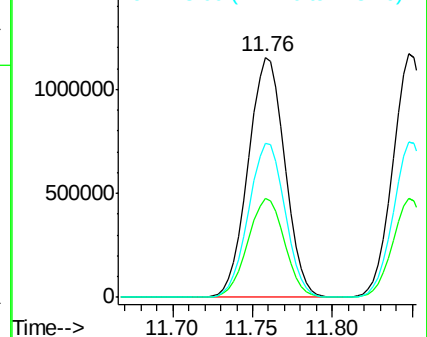
148 64.3 44.5 82.7



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 186.701 ug/L

RT: 11.85 min Scan# 3268

Delta R.T. -0.00 min

Lab File: VU037862.D

Acq: 23 Apr 2020 15:22

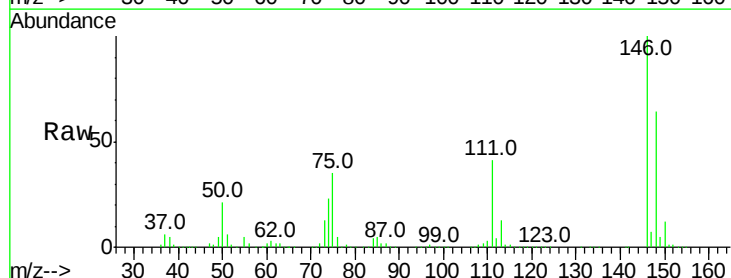
Tgt Ion:146 Resp: 1808374

Ion Ratio Lower Upper

146 100

111 40.5 27.2 50.4

148 63.8 43.9 81.5



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

