

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111620\
 Data File : VU041238.D
 Acq On : 16 Nov 2020 10:10
 Operator : SY/MD
 Sample : VSTD02006
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02006

Quant Time: Nov 16 10:33:46 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Nov 16 10:17:27 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	78090	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	78590	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	44110	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	104638	15.94	ug/L	0.00
7) Chloroethane-d5	1.92	69	89917	17.84	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.58	63	227573	17.68	ug/L	0.00
20) 2-Butanone-d5	4.65	46	473750	219.29	ug/L	0.00
24) Chloroform-d	5.08	84	225379	19.45	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.72	65	147286	20.48	ug/L	0.00
32) Benzene-d6	5.74	84	433021	20.60	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.70	67	145491	21.25	ug/L	0.00
41) Toluene-d8	7.91	98	398063	20.90	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.19	79	66559	22.43	ug/L	0.00
46) 2-Hexanone-d5	8.64	63	393830	246.59	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.75	84	142335	22.40	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.19	152	160052	20.68	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.39	85	115602	16.215	ug/L	100
3) Chloromethane	1.53	50	116611	15.686	ug/L	99
5) Vinyl chloride	1.61	62	124954	17.038	ug/L	99
6) Bromomethane	1.87	94	74823	17.799	ug/L	98
8) Chloroethane	1.94	64	75182	16.180	ug/L	97
9) Trichlorofluoromethane	2.15	101	191446	19.205	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	108762	18.617	ug/L	96
12) 1,1-Dichloroethene	2.59	96	95727	17.354	ug/L	93
13) Acetone	2.66	43	293321	198.589	ug/L #	55
14) Carbon disulfide	2.81	76	278293	15.097	ug/L	100
15) Methyl Acetate	2.97	43	62957	18.628	ug/L	97
16) Methylene chloride	3.06	84	108802	16.928	ug/L	95
17) Methyl tert-butyl Ether	3.38	73	292253	20.587	ug/L	99
18) trans-1,2-Dichloroethene	3.37	96	96078	17.139	ug/L	99
19) 1,1-Dichloroethane	3.89	63	207326	18.500	ug/L	98
21) 2-Butanone	4.73	43	456390	197.701	ug/L	99
22) cis-1,2-Dichloroethene	4.68	96	110740	19.152	ug/L	96
23) Bromochloromethane	4.99	128	51124	18.741	ug/L	96
25) Chloroform	5.11	83	207392	18.453	ug/L	98
27) 1,2-Dichloroethane	5.81	62	160892	19.221	ug/L #	94
29) 1,1,1-Trichloroethane	5.33	97	183333	19.074	ug/L	95
30) Cyclohexane	5.40	56	171433	18.103	ug/L	99
31) Carbon tetrachloride	5.54	117	164913	19.376	ug/L	99
33) Benzene	5.79	78	436246	18.577	ug/L	100
34) Trichloroethene	6.55	95	115287	19.291	ug/L	98
35) Methylcyclohexane	6.77	83	173462	19.459	ug/L	96
37) 1,2-Dichloropropane	6.80	63	121564	19.132	ug/L #	97
38) Bromodichloromethane	7.11	83	159689	19.375	ug/L	98
39) cis-1,3-Dichloropropene	7.61	75	183276	20.949	ug/L	96
40) 4-Methyl-2-pentanone	7.80	43	1042729	205.818	ug/L	100

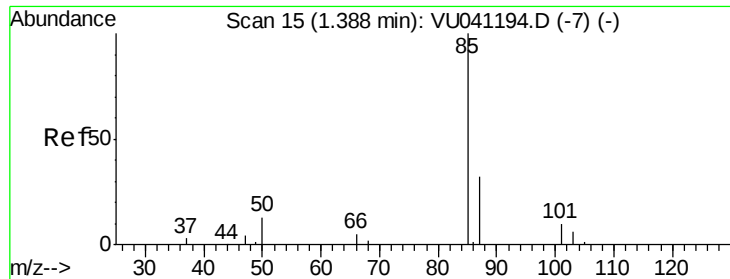
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111620\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.98	91	467789	19.645	ug/L	100
44) trans-1,3-Dichloropropene	8.21	75	172016	21.010	ug/L	99
45) 1,1,2-Trichloroethane	8.40	97	95919	20.279	ug/L	95
47) Tetrachloroethene	8.56	164	80856	18.400	ug/L	96
48) 2-Hexanone	8.69	43	792011	207.619	ug/L	100
49) Dibromochloromethane	8.82	129	113025	20.576	ug/L	98
50) 1,2-Dibromoethane	8.93	107	93933	20.840	ug/L	98
51) Chlorobenzene	9.45	112	293588	19.444	ug/L	99
52) Ethylbenzene	9.57	91	532472	21.244	ug/L	99
53) m,p-Xylene	9.69	106	195897	21.430	ug/L	98
54) o-Xylene	10.10	106	187298	22.000	ug/L	97
55) Styrene	10.11	104	336656	22.195	ug/L	99
56) Isopropylbenzene	10.48	105	510955	22.320	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	127943	20.596	ug/L	100
59) 1,2,3-Trichloropropane	10.82	75	100658	21.255	ug/L	100
61) Bromoform	10.29	173	68161	20.051	ug/L	98
62) 1,3-Dichlorobenzene	11.74	146	261890	20.568	ug/L	98
63) 1,4-Dichlorobenzene	11.83	146	261809	19.853	ug/L	100
65) 1,2-Dichlorobenzene	12.21	146	244860	19.488	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.99	75	25785	20.938	ug/L	97
67) 1,3,5-Trichlorobenzene	13.21	180	195360	21.939	ug/L	98
68) 1,2,4-trichlorobenzene	13.83	180	163890	22.217	ug/L	97
69) Naphthalene	14.08	128	322465	24.446	ug/L	100
70) 1,2,3-Trichlorobenzene	14.32	180	150922	22.197	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 16.215 ug/L

RT: 1.39 min Scan# 15

Delta R.T. 0.00 min

Lab File: VU041238.D

Acq: 16 Nov 2020 10:10

Instrument :

MSVOA_U

ClientSampleId :

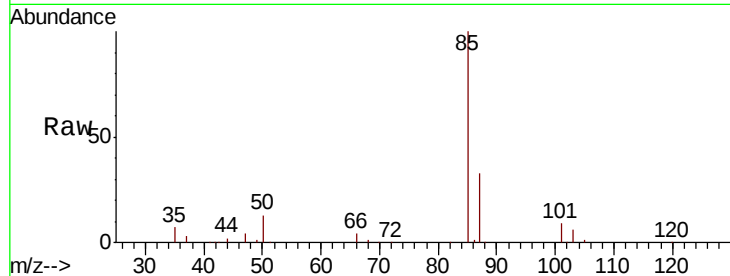
VSTD02006

Tot Ion: 85 Resp: 115602

Ion Ratio Lower Upper

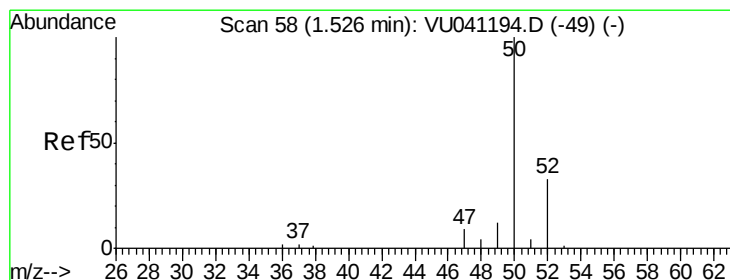
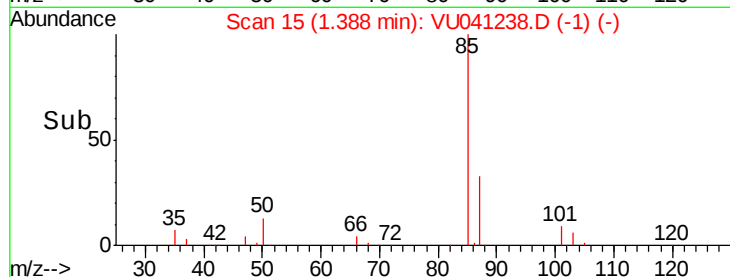
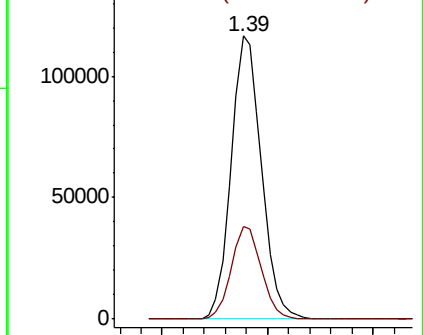
85 100

87 32.6 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 15.686 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU041238.D

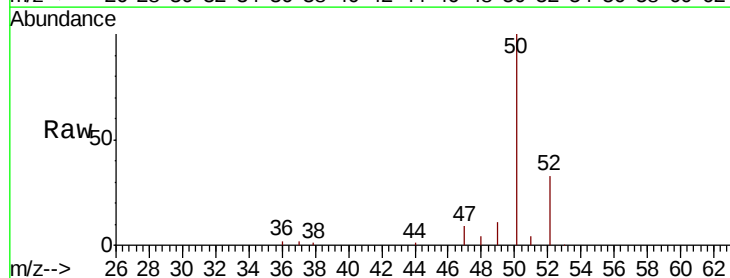
Acq: 16 Nov 2020 10:10

Tgt Ion: 50 Resp: 116611

Ion Ratio Lower Upper

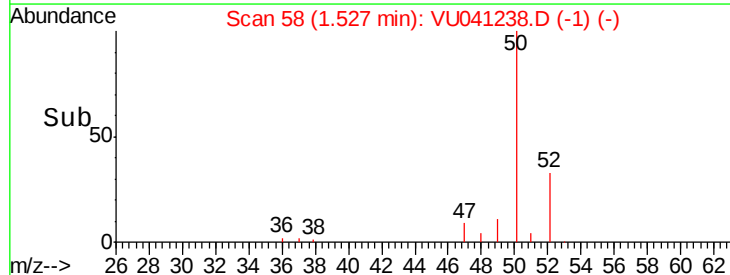
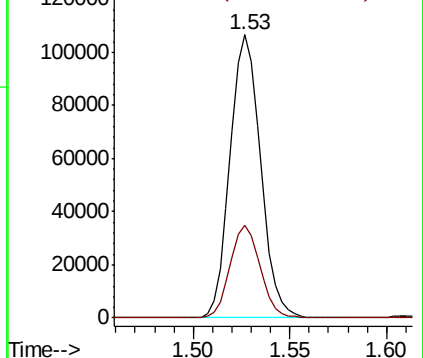
50 100

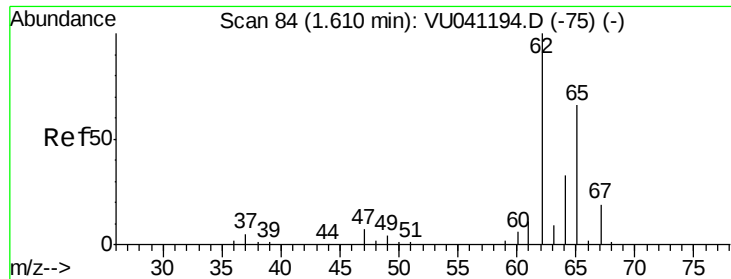
52 32.5 22.4 41.6



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0





#5

Vinyl chloride

Concen: 17.038 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU041238.D

Acq: 16 Nov 2020 10:10

Instrument :

MSVOA_U

ClientSampleId :

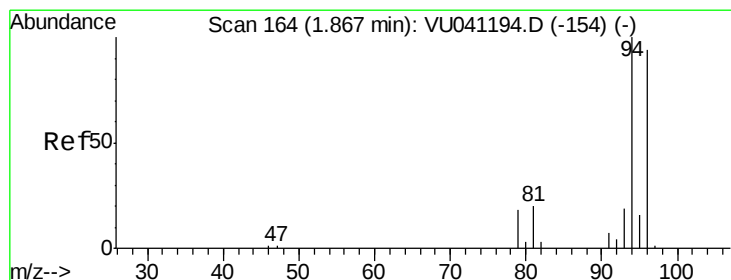
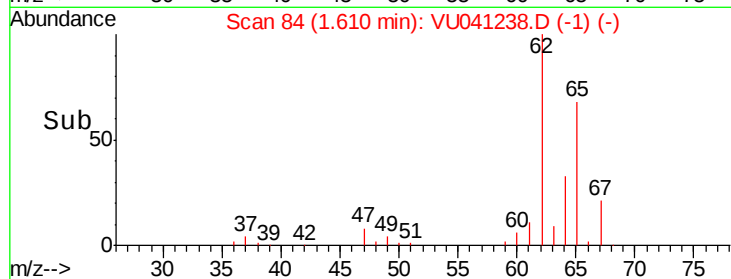
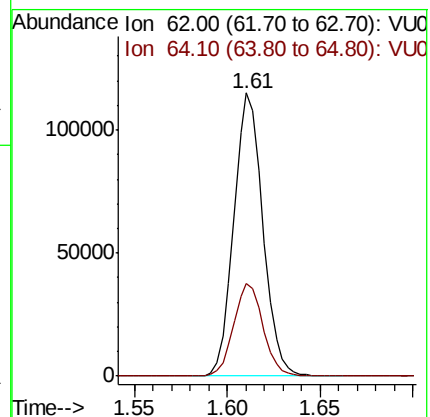
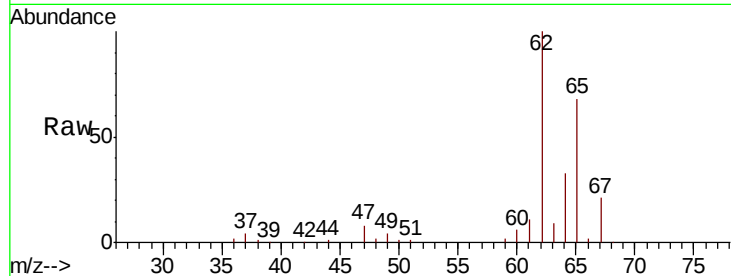
VSTD02006

Tot Ion: 62 Resp: 124954

Ion Ratio Lower Upper

62 100

64 32.9 22.7 42.3



#6

Bromomethane

Concen: 17.799 ug/L

RT: 1.87 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU041238.D

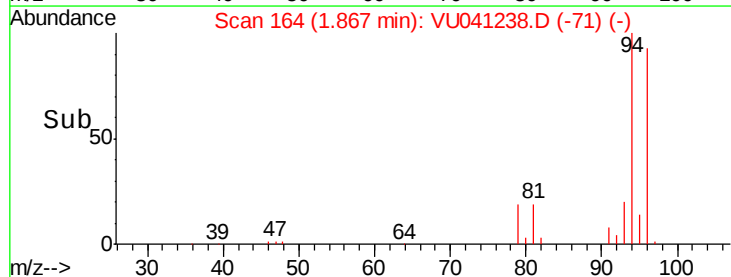
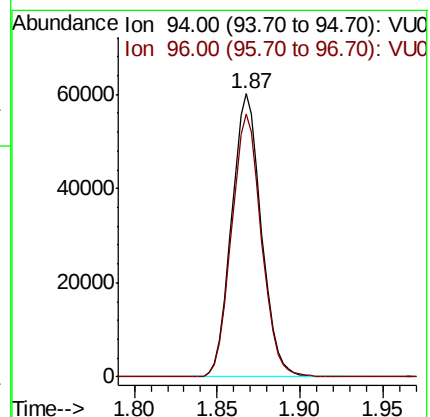
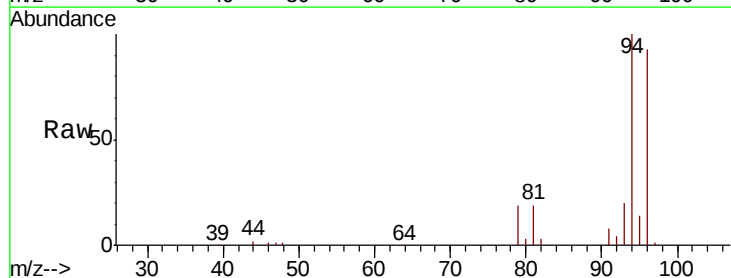
Acq: 16 Nov 2020 10:10

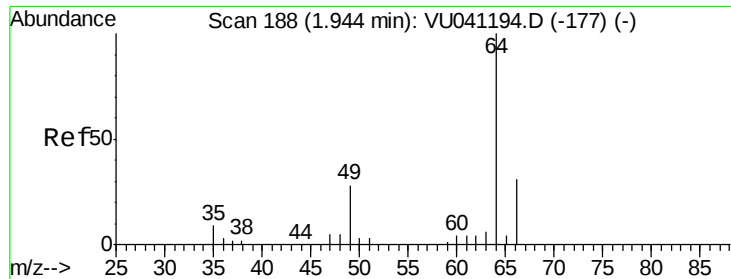
Tgt Ion: 94 Resp: 74823

Ion Ratio Lower Upper

94 100

96 93.0 63.5 117.9





#8

Chloroethane

Concen: 16.180 ug/L

RT: 1.94 min Scan# 188

Delta R.T. 0.00 min

Lab File: VU041238.D

Acq: 16 Nov 2020 10:10

Instrument :

MSVOA_U

ClientSampleId :

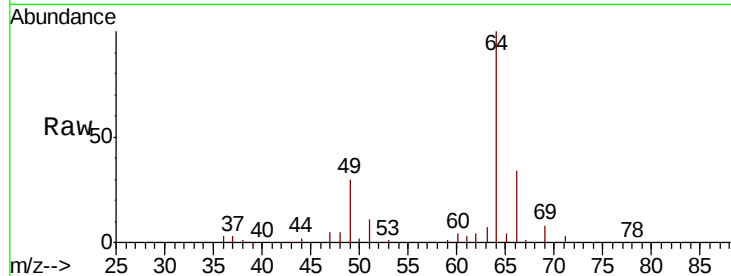
VSTD02006

Tot Ion: 64 Resp: 75182

Ion Ratio Lower Upper

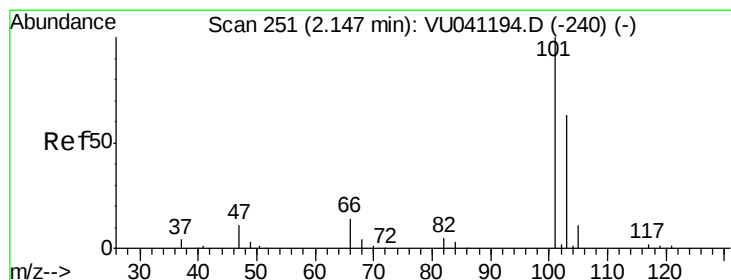
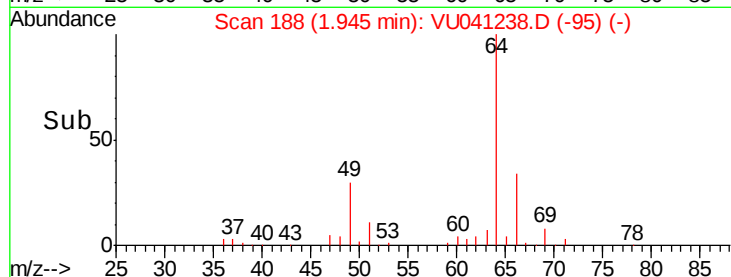
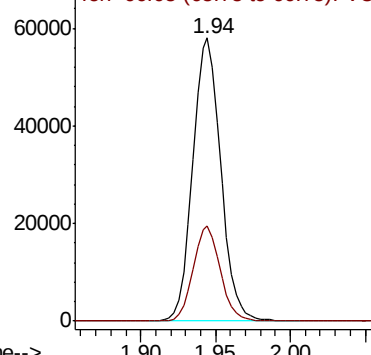
64 100

66 33.5 22.3 41.5



Abundance Ion 64.10 (63.80 to 64.80): VU041238.D (-177) (-)

Ion 66.05 (65.75 to 66.75): VU041238.D (-177) (-)



#9

Trichlorofluoromethane

Concen: 19.205 ug/L

RT: 2.15 min Scan# 251

Delta R.T. 0.00 min

Lab File: VU041238.D

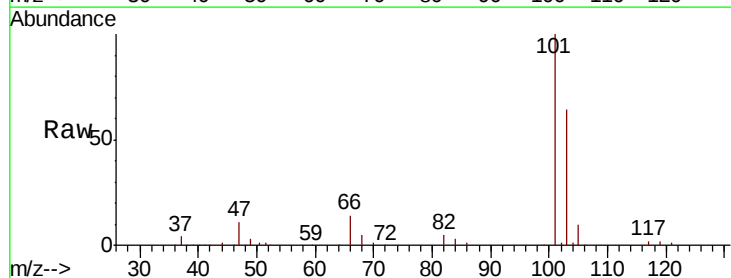
Acq: 16 Nov 2020 10:10

Tgt Ion:101 Resp: 191446

Ion Ratio Lower Upper

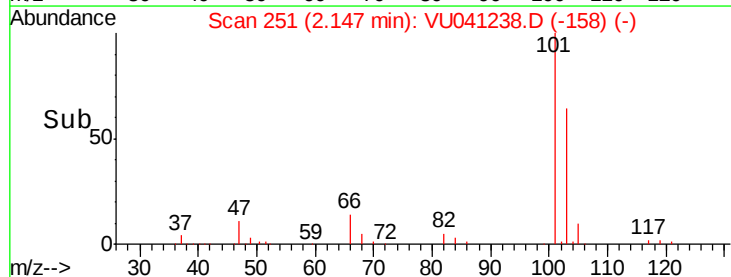
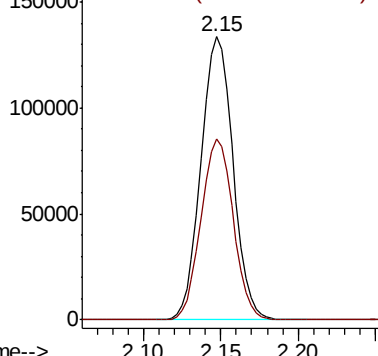
101 100

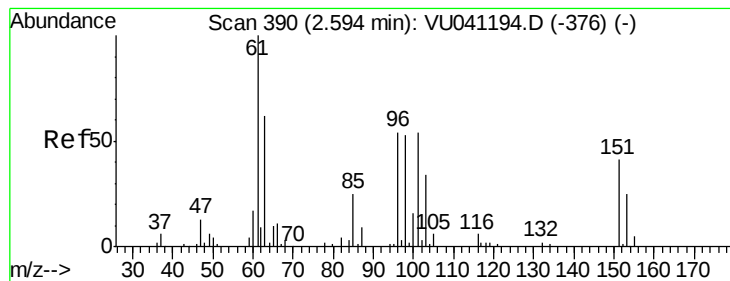
103 64.4 51.0 76.4



Abundance Ion 101.00 (100.70 to 101.70): VU041238.D (-240) (-)

Ion 103.00 (102.70 to 103.70): VU041238.D (-240) (-)





#10

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

Concen: 18.617 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU041238.D

Acq: 16 Nov 2020 10:10

Instrument :

MSVOA_U

ClientSampleId :

VSTD02006

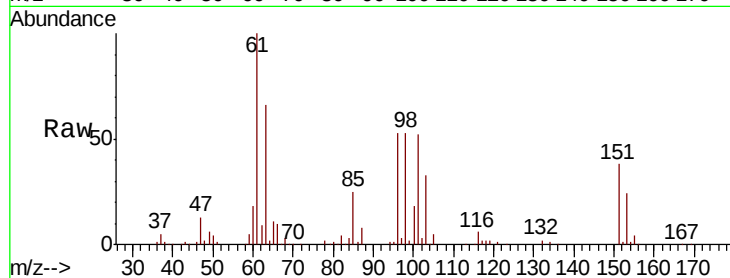
Tot Ion:101 Resp: 108762

Ion Ratio Lower Upper

101 100

85 45.8 35.0 52.4

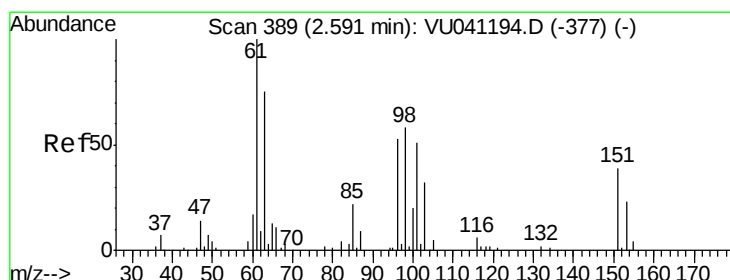
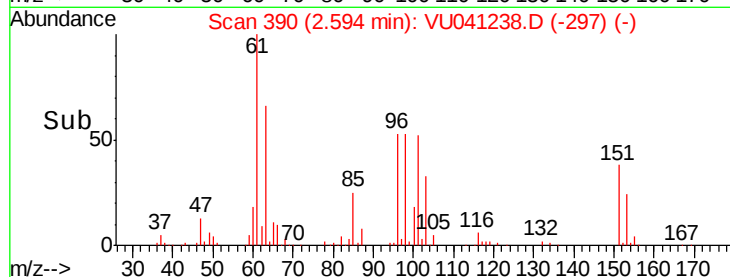
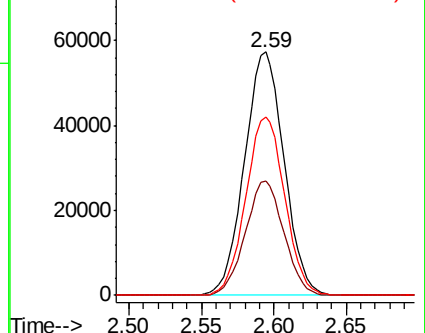
151 72.1 55.3 82.9



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: 17.354 ug/L

RT: 2.59 min Scan# 389

Delta R.T. 0.00 min

Lab File: VU041238.D

Acq: 16 Nov 2020 10:10

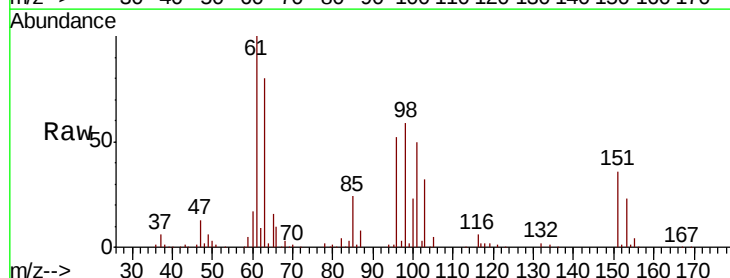
Tgt Ion: 96 Resp: 95727

Ion Ratio Lower Upper

96 100

61 192.1 134.3 249.5

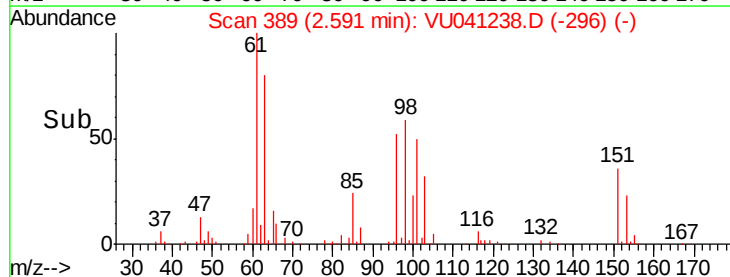
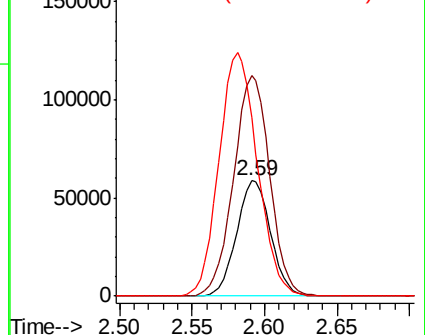
63 154.5 95.0 176.4

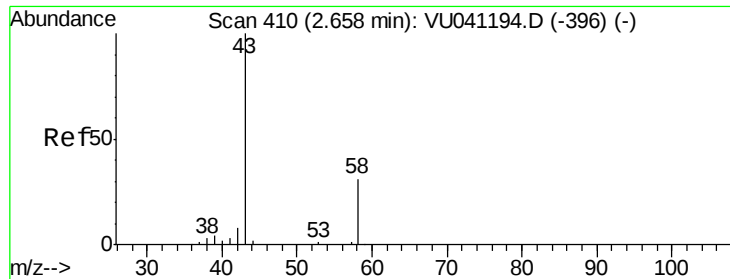


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 198.589 ug/L

RT: 2.66 min Scan# 410

Delta R.T. 0.00 min

Lab File: VU041238.D

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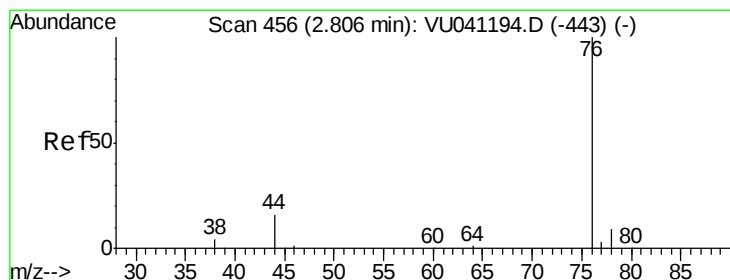
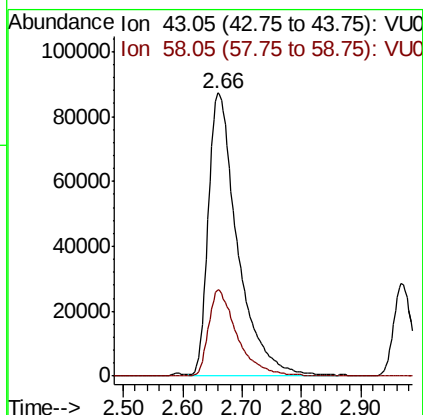
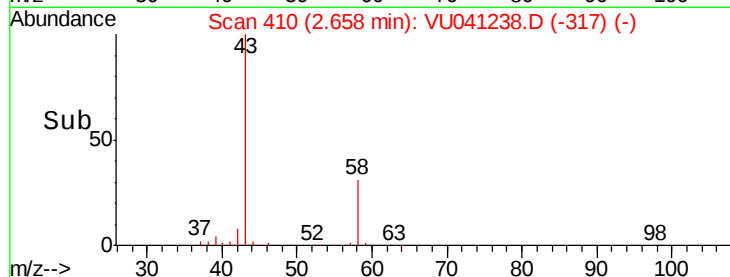
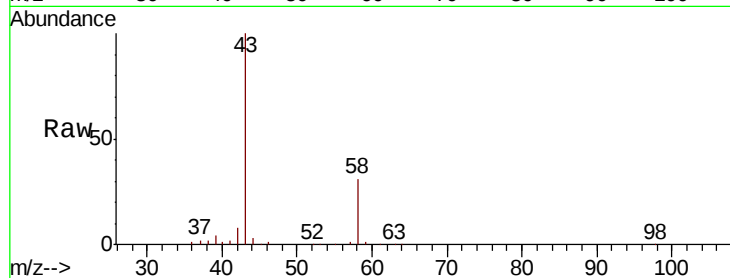
VSTD02006

Tot Ion: 43 Resp: 293321

Ion Ratio Lower Upper

43 100

58 30.4 0.0 25.4#



#14

Carbon disulfide

Concen: 15.097 ug/L

RT: 2.81 min Scan# 456

Delta R.T. 0.00 min

Lab File: VU041238.D

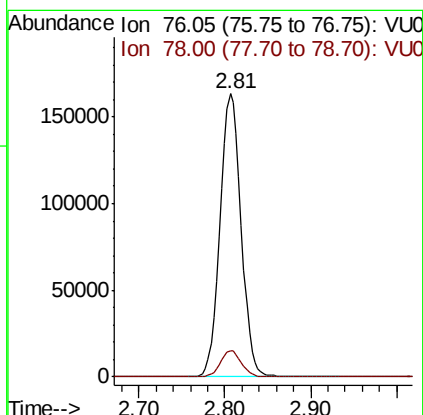
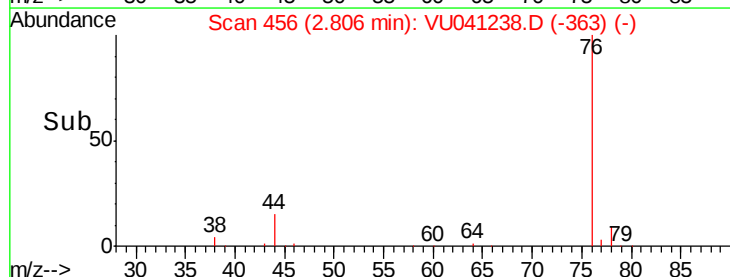
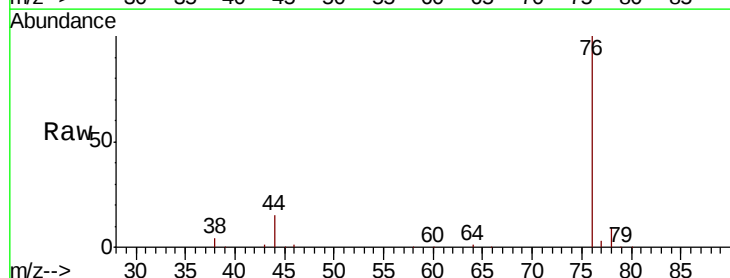
Acq: 16 Nov 2020 10:10

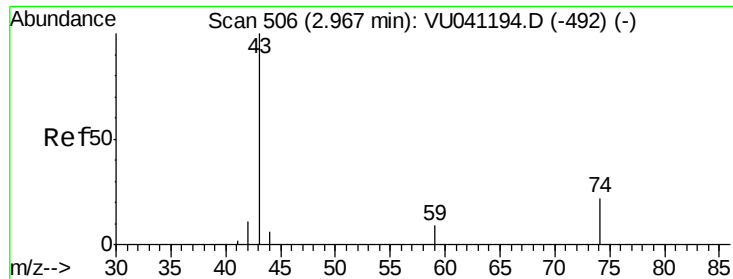
Tgt Ion: 76 Resp: 278293

Ion Ratio Lower Upper

76 100

78 9.4 7.5 11.3

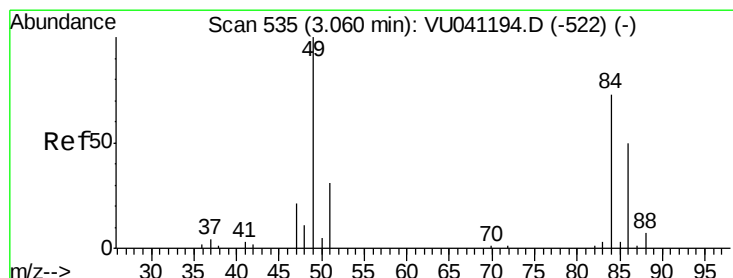
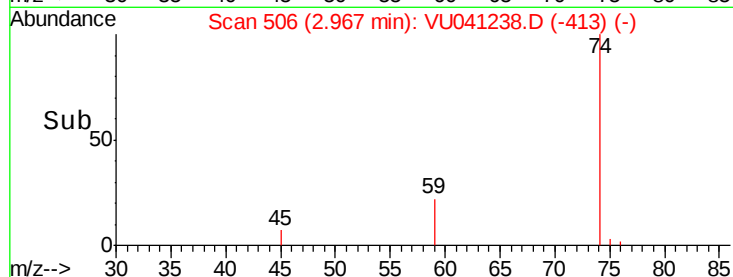
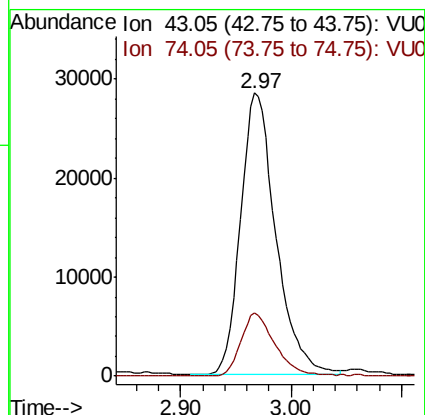
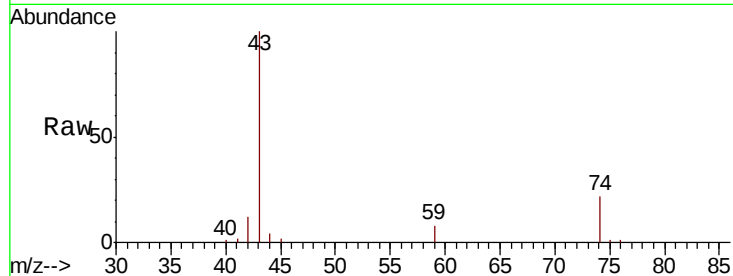




#15
Methvl Acetate
Concen: 18.628 ug/L
RT: 2.97 min Scan# 506
Delta R.T. 0.00 min
Lab File: VU041238.D
Acq: 16 Nov 2020 10:10

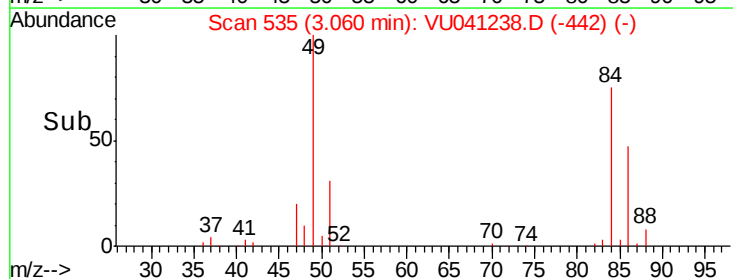
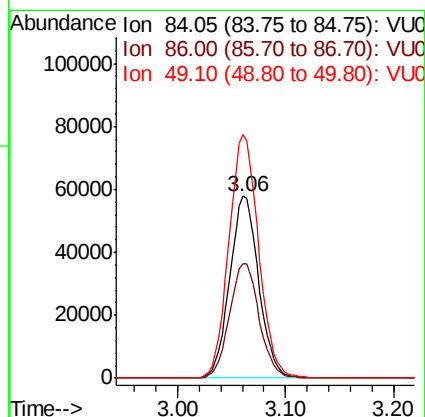
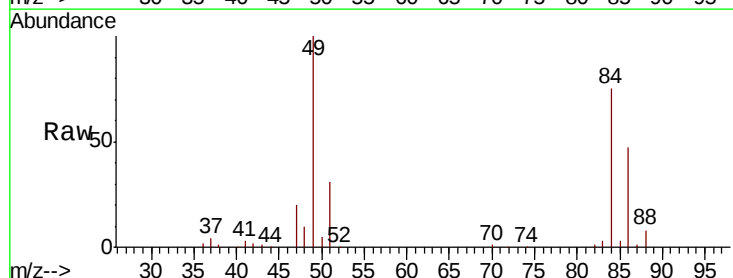
Instrument :
MSVOA_U
ClientSampleId :
VSTD02006

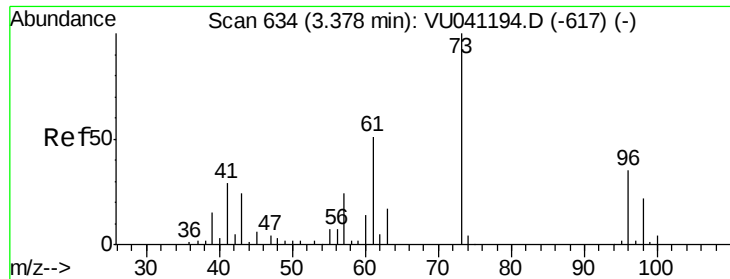
Tot Ion: 43 Resp: 62957
Ion Ratio Lower Upper
43 100
74 21.7 18.3 27.5



#16
Methylene chloride
Concen: 16.928 ug/L
RT: 3.06 min Scan# 535
Delta R.T. 0.00 min
Lab File: VU041238.D
Acq: 16 Nov 2020 10:10

Tgt Ion: 84 Resp: 108802
Ion Ratio Lower Upper
84 100
86 63.0 42.8 79.6
49 134.0 99.5 184.7

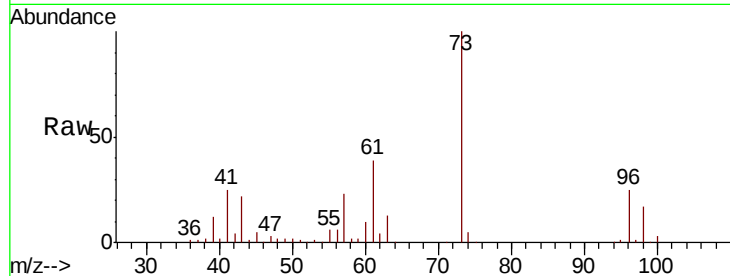




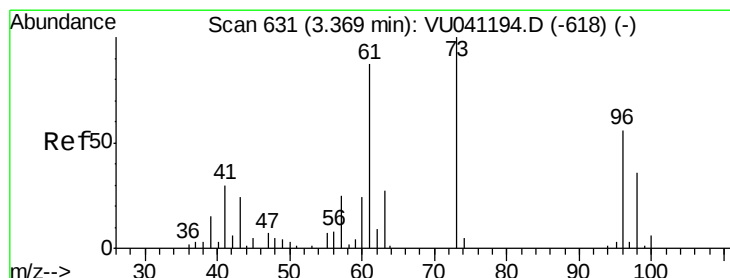
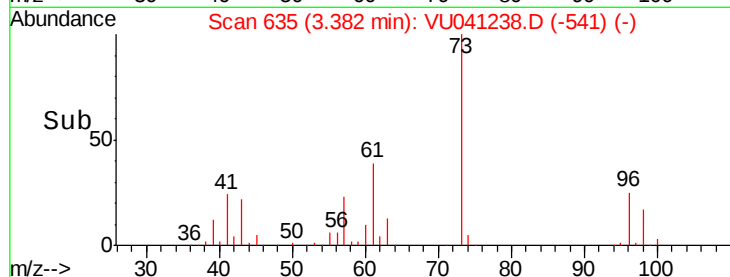
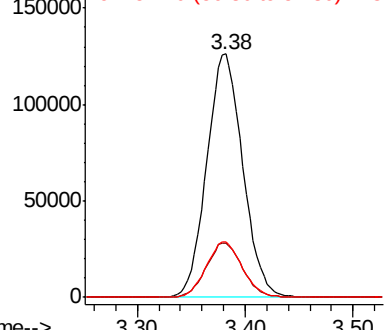
#17
Methvl tert-butvl Ether
Concen: 20.587 ug/L
RT: 3.38 min Scan# 635
Delta R.T. 0.00 min
Lab File: VU041238.D
Acq: 16 Nov 2020 10:10

Instrument :
MSVOA_U
ClientSampleId :
VSTD02006

Tot Ion: 73 Resp: 292253
Ion Ratio Lower Upper
73 100
43 22.6 18.5 27.7
57 22.8 18.4 27.6

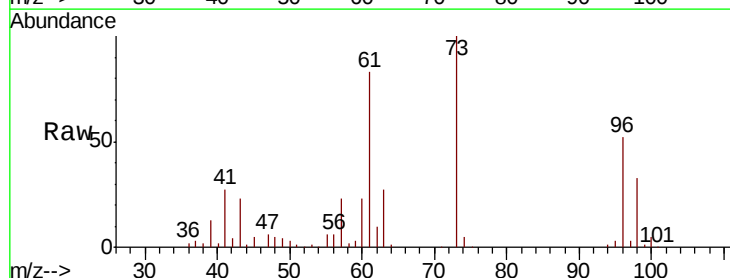


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

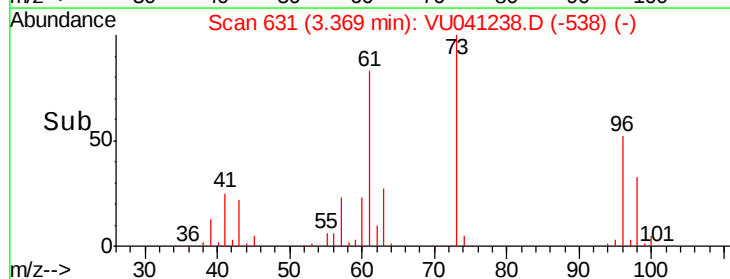
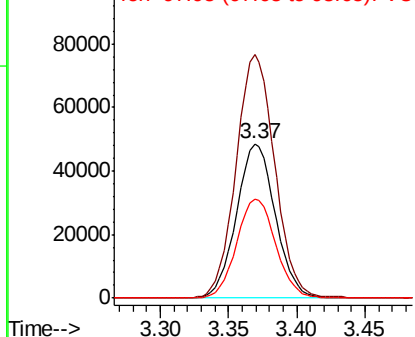


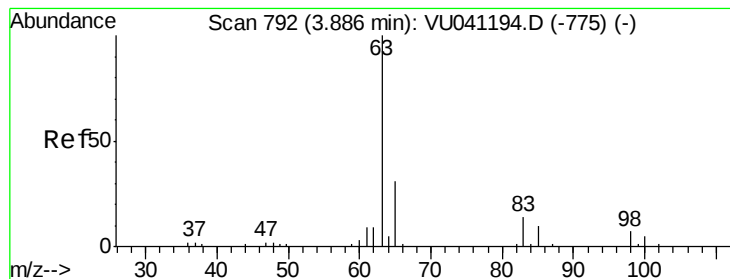
#18
trans-1,2-Dichloroethene
Concen: 17.139 ug/L
RT: 3.37 min Scan# 631
Delta R.T. 0.00 min
Lab File: VU041238.D
Acq: 16 Nov 2020 10:10

Tgt Ion: 96 Resp: 96078
Ion Ratio Lower Upper
96 100
61 157.5 110.9 205.9
98 63.7 45.4 84.2



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0





#19

1,1-Dichloroethane

Concen: 18.500 ug/L

RT: 3.89 min Scan# 793

Delta R.T. 0.00 min

Lab File: VU041238.D

Acq: 16 Nov 2020 10:10

Instrument :

MSVOA_U

ClientSampleId :

VSTD02006

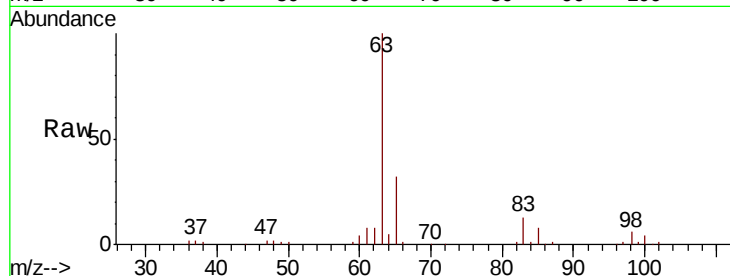
Tot Ion: 63 Resp: 207326

Ion Ratio Lower Upper

63 100

65 31.8 21.3 39.6

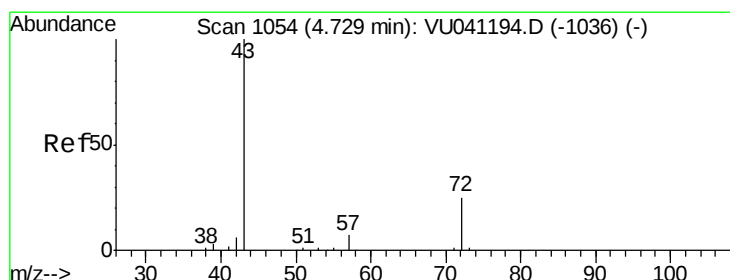
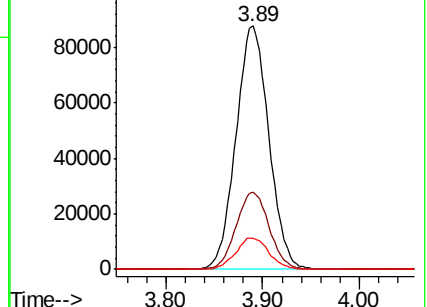
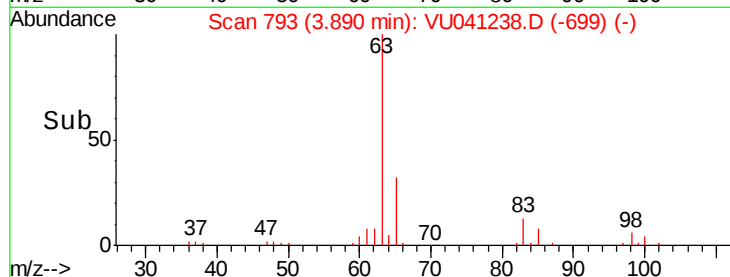
83 12.8 8.8 16.3



Abundance Ion 63.10 (62.80 to 63.80): VU041238.D (-699) (-)

Ion 65.10 (64.80 to 65.80): VU041238.D (-699) (-)

Ion 83.05 (82.75 to 83.75): VU041238.D (-699) (-)



#21

2-Butanone

Concen: 197.701 ug/L

RT: 4.73 min Scan# 1055

Delta R.T. 0.00 min

Lab File: VU041238.D

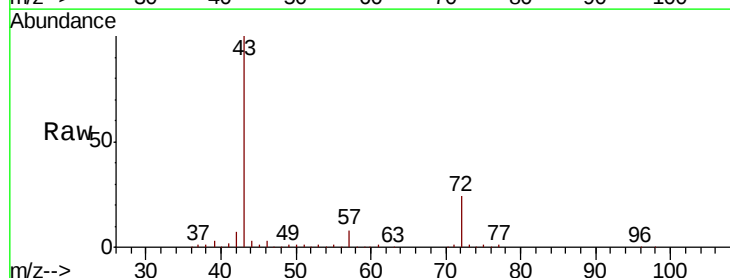
Acq: 16 Nov 2020 10:10

Tgt Ion: 43 Resp: 456390

Ion Ratio Lower Upper

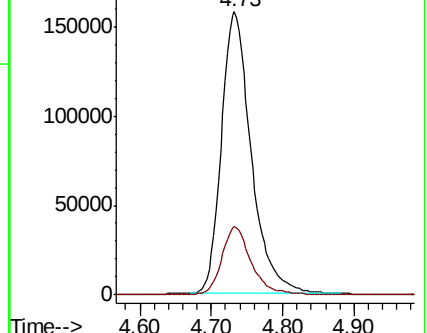
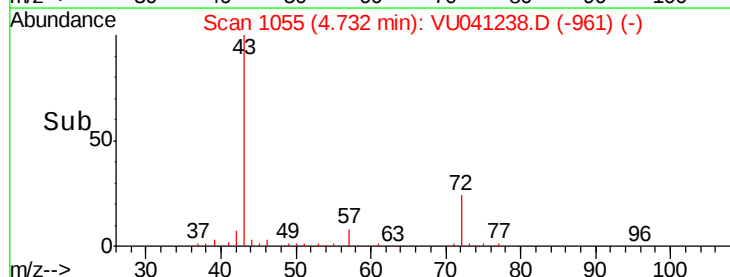
43 100

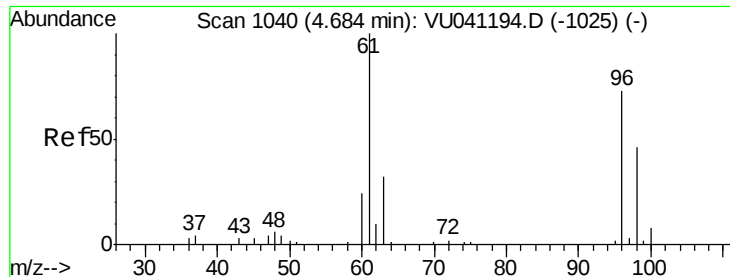
72 24.3 11.8 35.4



Abundance Ion 43.05 (42.75 to 43.75): VU041238.D (-961) (-)

Ion 72.10 (71.80 to 72.80): VU041238.D (-961) (-)





#22

cis-1,2-Dichloroethene

Concen: 19.152 ug/L

RT: 4.68 min Scan# 1040

Delta R.T. 0.00 min

Lab File: VU041238.D

Acq: 16 Nov 2020 10:10

Instrument :

MSVOA_U

ClientSampleId :

VSTD02006

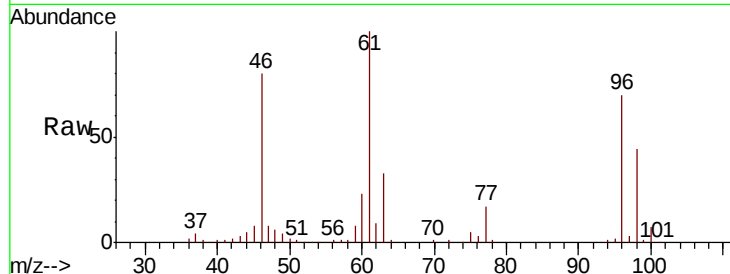
Tot Ion: 96 Resp: 110740

Ion Ratio Lower Upper

96 100

61 143.0 97.2 180.4

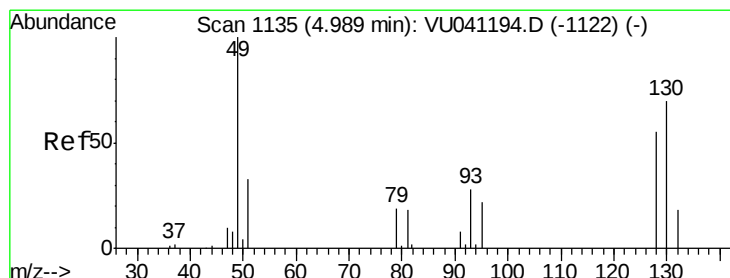
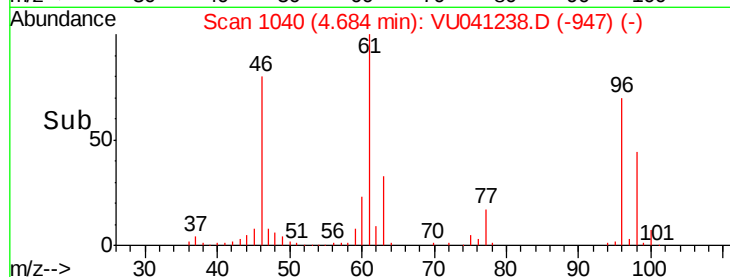
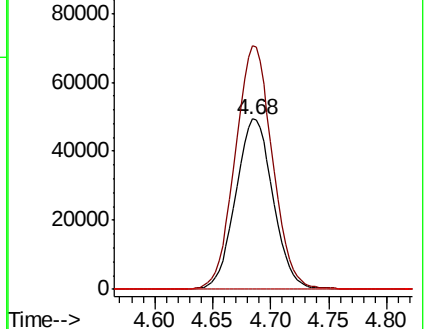
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 68.15 (67.85 to 68.85): VU0



#23

Bromochloromethane

Concen: 18.741 ug/L

RT: 4.99 min Scan# 1136

Delta R.T. 0.00 min

Lab File: VU041238.D

Acq: 16 Nov 2020 10:10

Tgt Ion:128 Resp: 51124

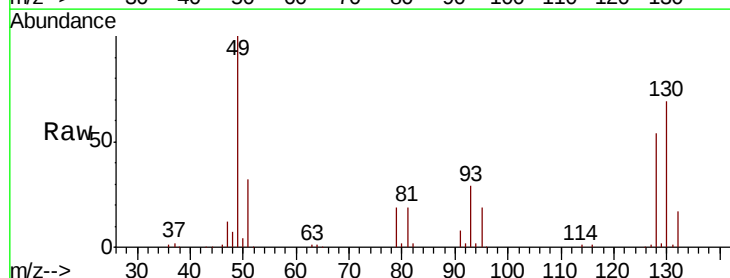
Ion Ratio Lower Upper

128 100

49 185.2 135.0 250.8

130 128.2 89.9 167.0

51 58.7 51.9 77.9

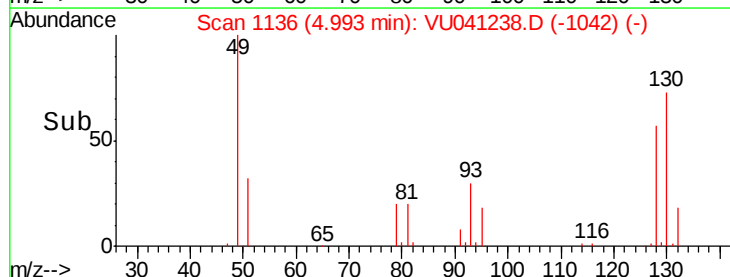
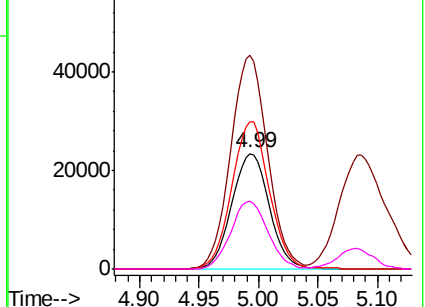


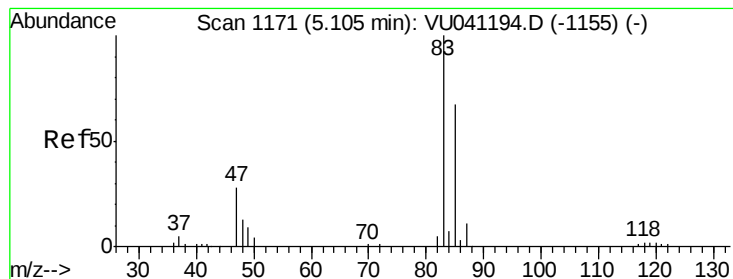
Abundance Ion 127.90 (127.60 to 128.60): V

Ion 49.10 (48.80 to 49.80): VU0

Ion 129.95 (129.65 to 130.65): V

Ion 51.05 (50.75 to 51.75): VU0





#25

Chloroform

Concen: 18.453 ug/L

RT: 5.11 min Scan# 1171

Delta R.T. 0.00 min

Lab File: VU041238.D

Acq: 16 Nov 2020 10:10

Instrument :

MSVOA_U

ClientSampleId :

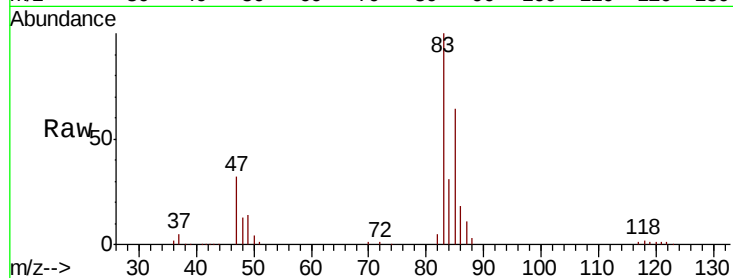
VSTD02006

Tot Ion: 83 Resp: 207392

Ion Ratio Lower Upper

83 100

85 64.5 46.1 85.7



Abundance Ion 83.05 (82.75 to 83.75): VU0

Ion 85.00 (84.70 to 85.70): VU0

5.11

100000

80000

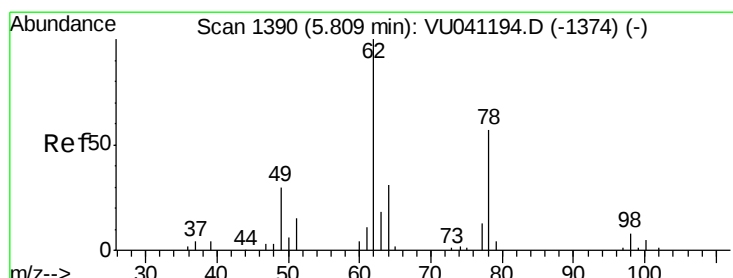
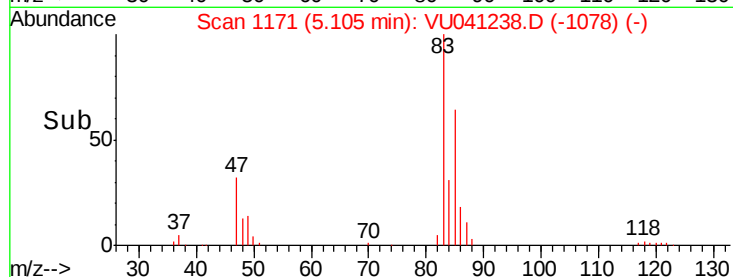
60000

40000

20000

0

Time-->



#27

1,2-Dichloroethane

Concen: 19.221 ug/L

RT: 5.81 min Scan# 1390

Delta R.T. 0.00 min

Lab File: VU041238.D

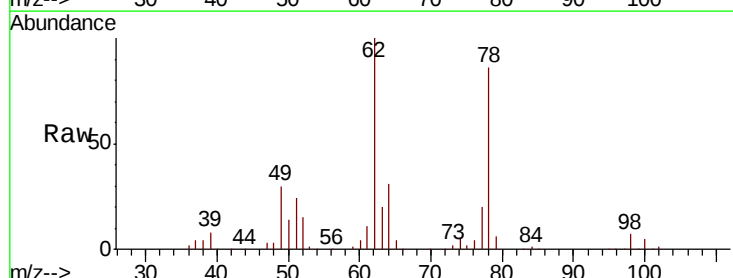
Acq: 16 Nov 2020 10:10

Tgt Ion: 62 Resp: 160892

Ion Ratio Lower Upper

62 100

98 7.3 7.6 11.4#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.05 (97.75 to 98.75): VU0

5.81

80000

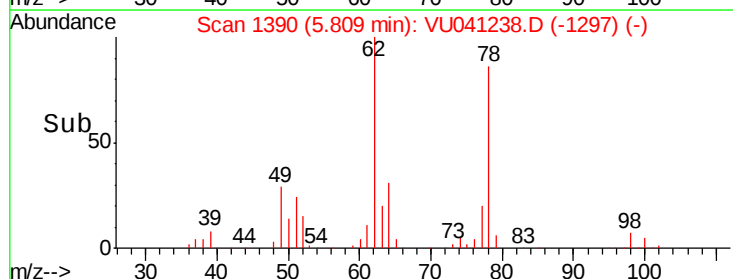
60000

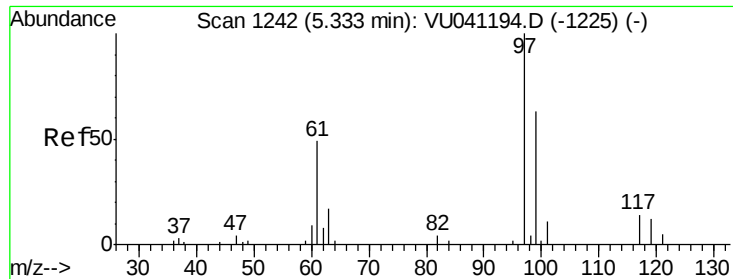
40000

20000

0

Time-->

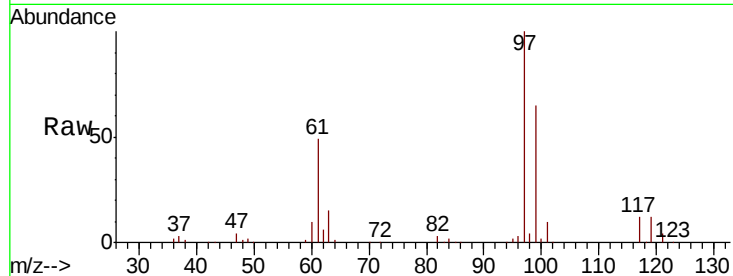




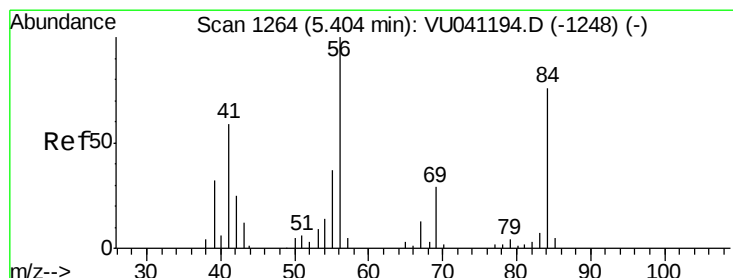
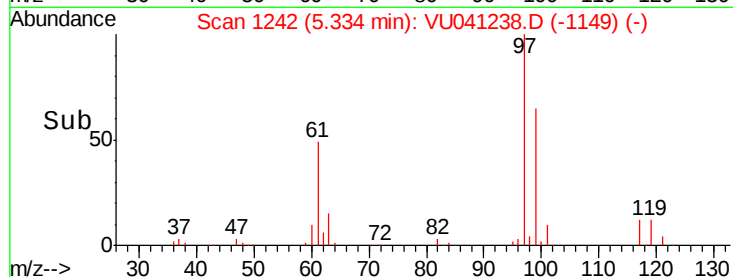
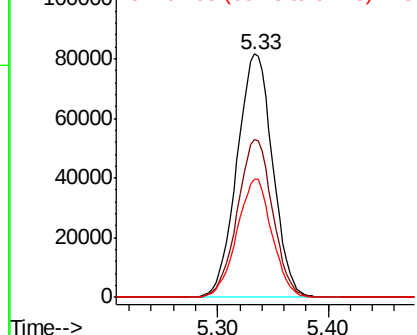
#29
 1,1,1-Trichloroethane
 Concen: 19.074 ug/L
 RT: 5.33 min Scan# 1242
 Delta R.T. 0.00 min
 Lab File: VU041238.D
 Acq: 16 Nov 2020 10:10

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02006

Tot Ion: 97 Resp: 183333
 Ion Ratio Lower Upper
 97 100
 99 64.0 53.4 80.0
 61 47.6 41.6 62.4

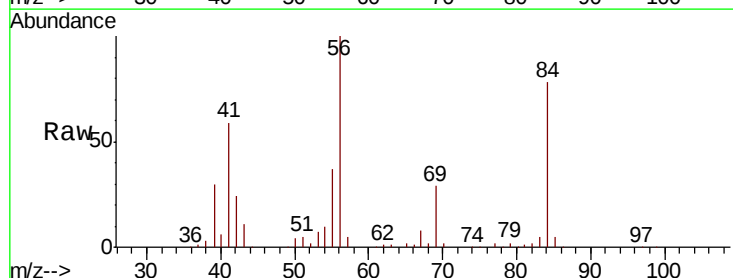


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

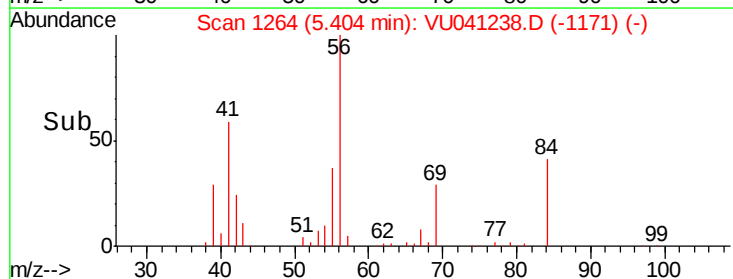
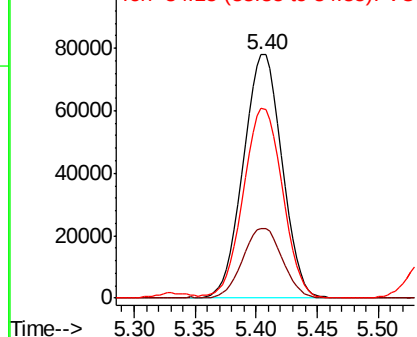


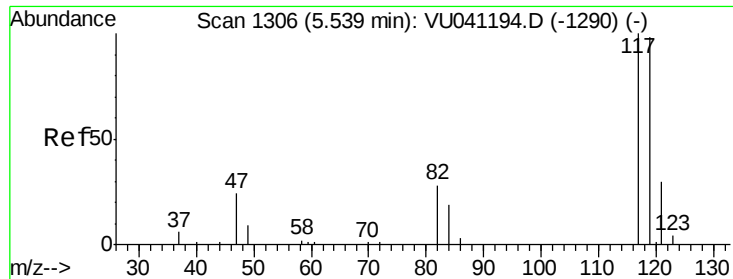
#30
 Cyclohexane
 Concen: 18.103 ug/L
 RT: 5.40 min Scan# 1264
 Delta R.T. 0.00 min
 Lab File: VU041238.D
 Acq: 16 Nov 2020 10:10

Tgt Ion: 56 Resp: 171433
 Ion Ratio Lower Upper
 56 100
 69 29.2 22.8 34.2
 84 79.0 63.6 95.4



Abundance Ion 56.10 (55.80 to 56.80): VU0
 Ion 69.15 (68.85 to 69.85): VU0
 Ion 84.15 (83.85 to 84.85): VU0





#31

Carbon tetrachloride

Concen: 19.376 ug/L

RT: 5.54 min Scan# 1307

Delta R.T. 0.00 min

Lab File: VU041238.D

Acq: 16 Nov 2020 10:10

Instrument :

MSVOA_U

ClientSampleId :

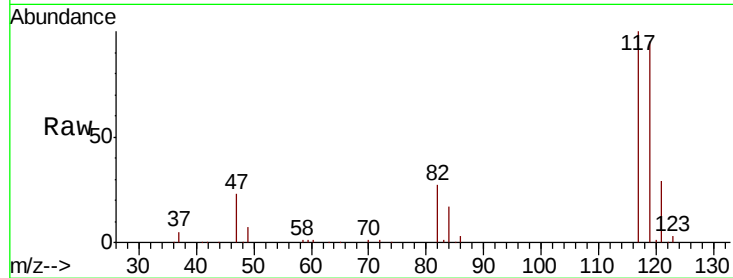
VSTD02006

Tot Ion:117 Resp: 164913

Ion Ratio Lower Upper

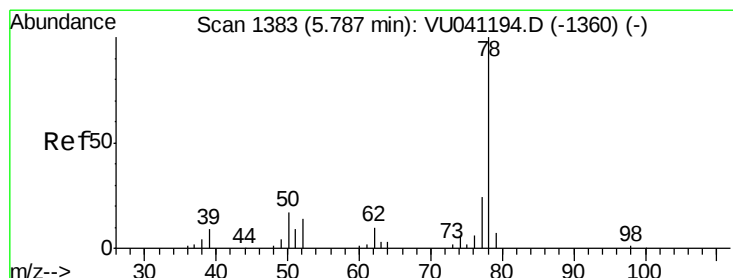
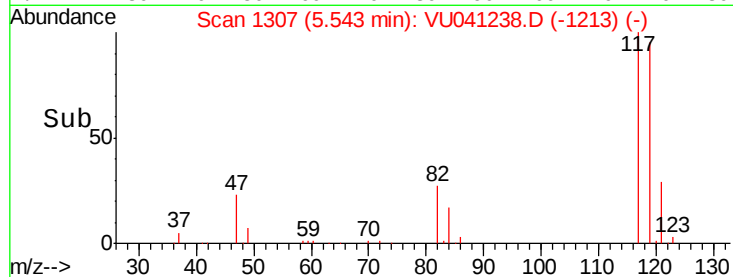
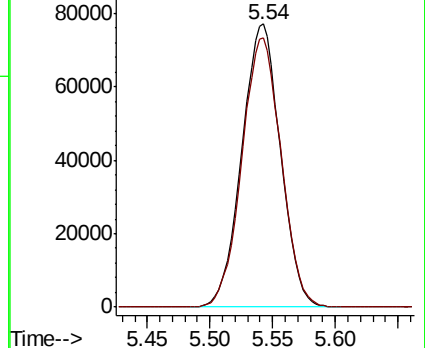
117 100

119 96.6 76.1 114.1



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 18.577 ug/L

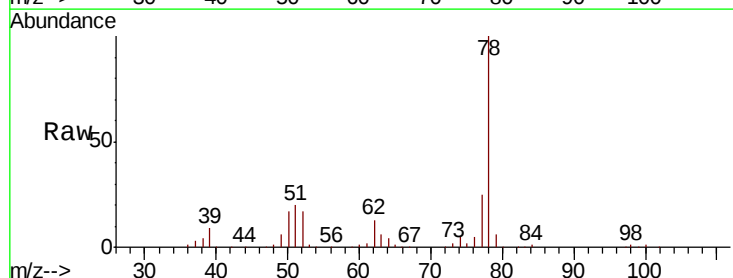
RT: 5.79 min Scan# 1384

Delta R.T. 0.00 min

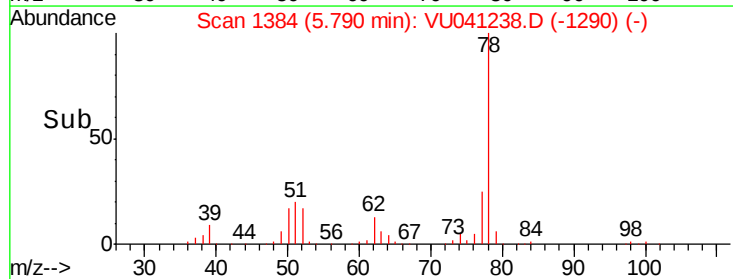
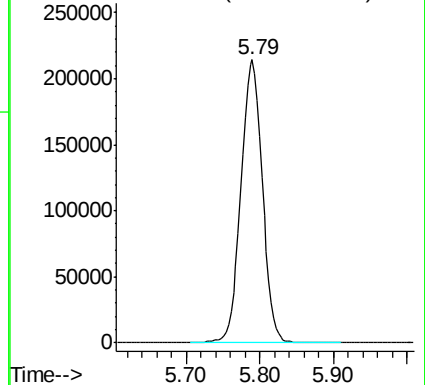
Lab File: VU041238.D

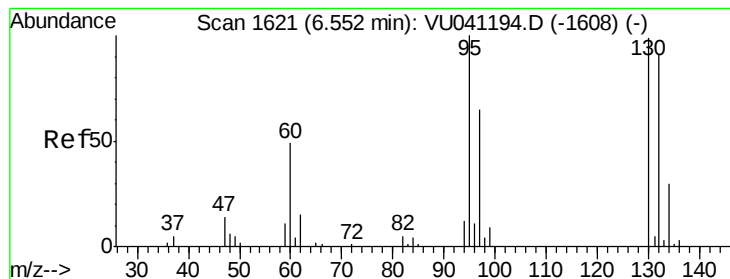
Acq: 16 Nov 2020 10:10

Tgt Ion: 78 Resp: 436246



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 19.291 ug/L

RT: 6.55 min Scan# 1621

Delta R.T. 0.00 min

Lab File: VU041238.D

Acq: 16 Nov 2020 10:10

Instrument :

MSVOA_U

ClientSampleId :

VSTD02006

Tot Ion: 95 Resp: 115287

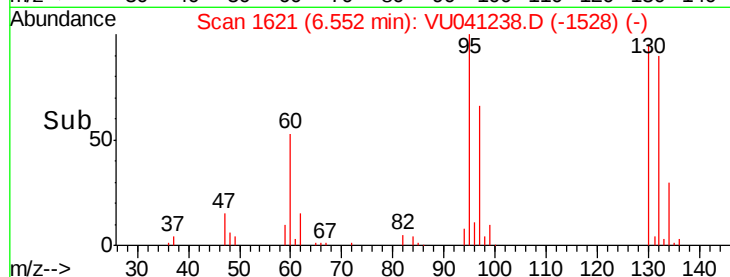
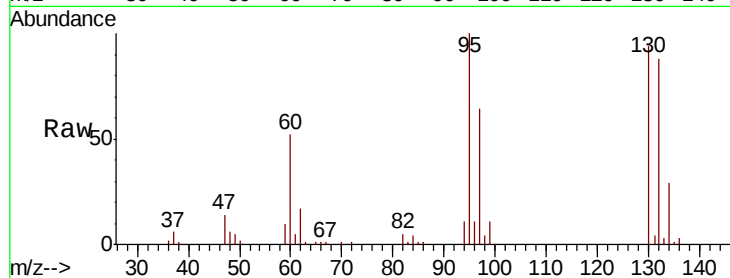
Ion Ratio Lower Upper

95 100

97 64.5 45.6 84.6

132 88.2 64.8 120.4

130 93.6 64.8 120.4

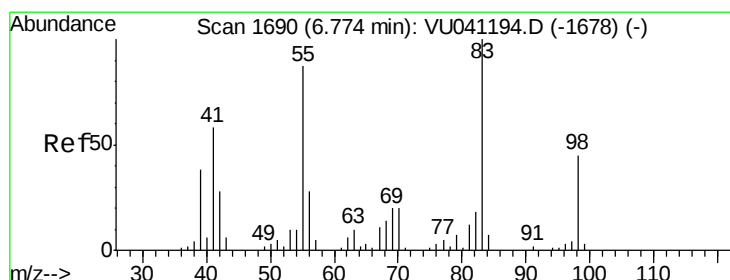
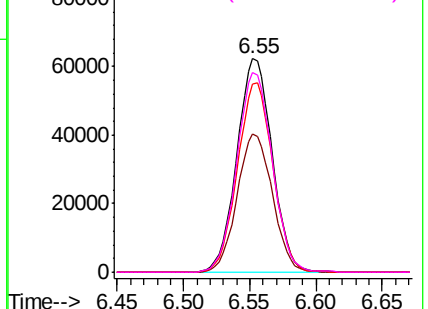


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 19.459 ug/L

RT: 6.77 min Scan# 1690

Delta R.T. 0.00 min

Lab File: VU041238.D

Acq: 16 Nov 2020 10:10

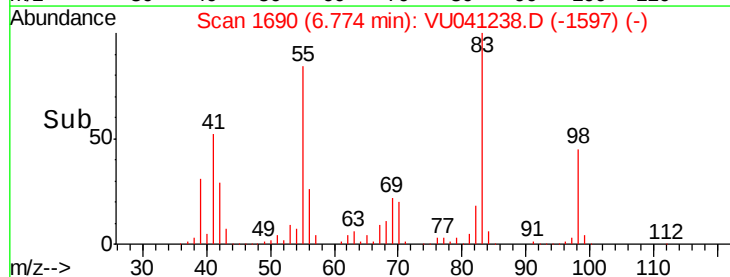
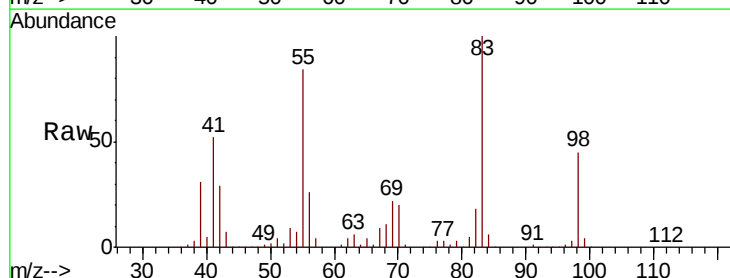
Tgt Ion: 83 Resp: 173462

Ion Ratio Lower Upper

83 100

55 84.9 72.0 108.0

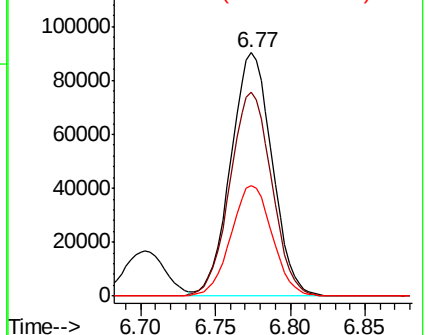
98 45.4 36.6 55.0

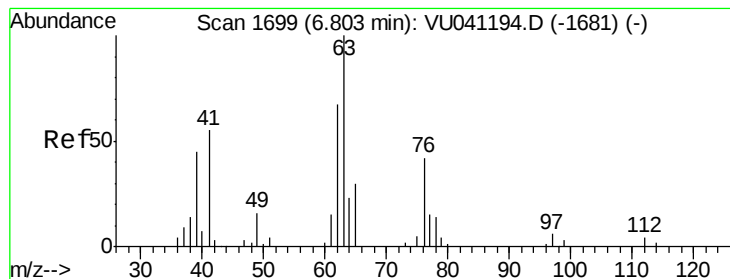


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 19.132 ug/L

RT: 6.80 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VU041238.D

Acq: 16 Nov 2020 10:10

Instrument :

MSVOA_U

ClientSampleId :

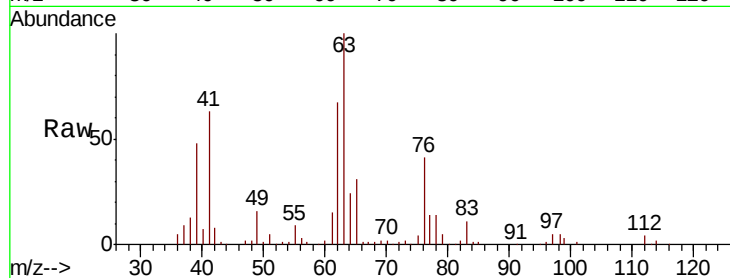
VSTD02006

Tot Ion: 63 Resp: 121564

Ion Ratio Lower Upper

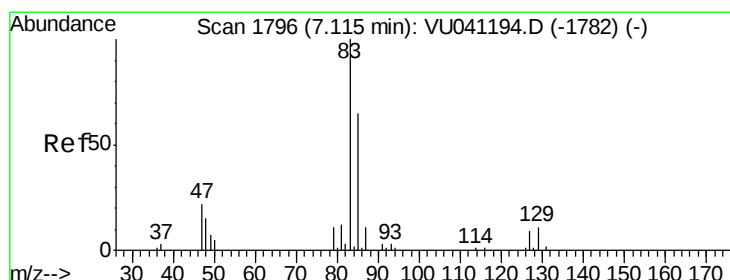
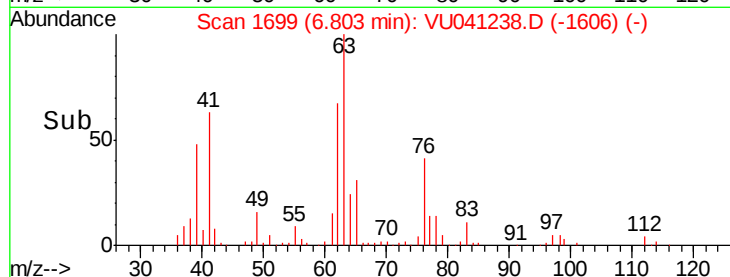
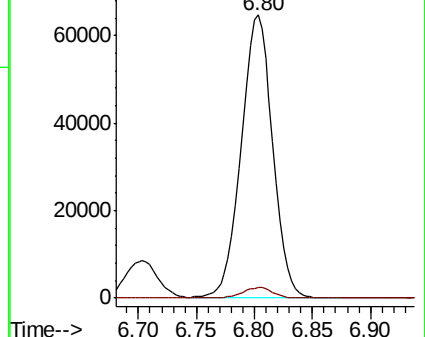
63 100

112 3.6 3.6 5.4#



Abundance Ion 63.10 (62.80 to 63.80): VU041194.D (-1681) (-)

Ion 112.10 (111.80 to 112.80): VU041194.D (-1681) (-)



#38

Bromodichloromethane

Concen: 19.375 ug/L

RT: 7.11 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VU041238.D

Acq: 16 Nov 2020 10:10

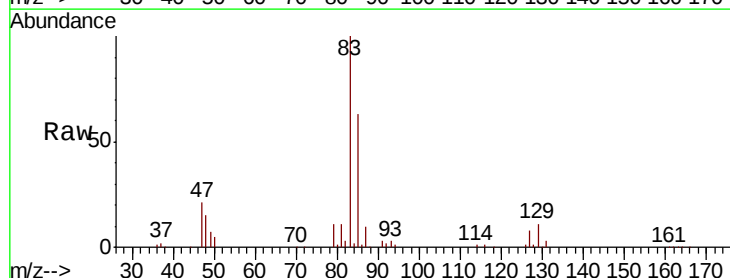
Tgt Ion: 83 Resp: 159689

Ion Ratio Lower Upper

83 100

85 63.3 43.3 80.3

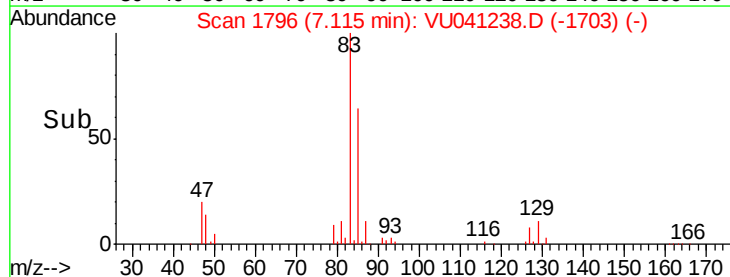
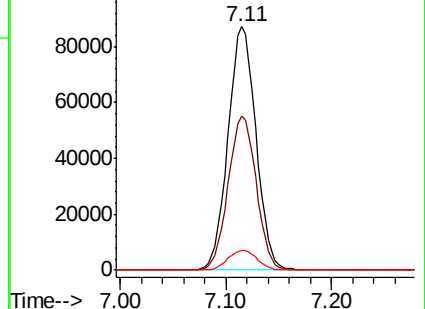
127 8.0 5.9 8.9

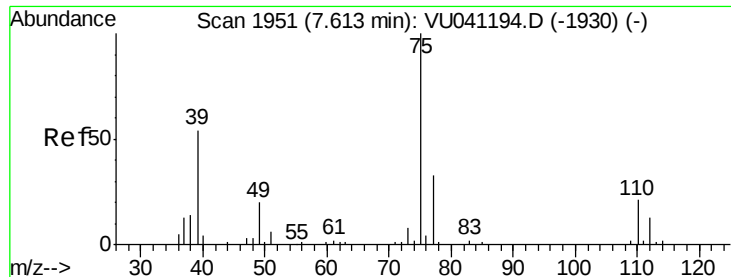


Abundance Ion 82.95 (82.65 to 83.65): VU041194.D (-1782) (-)

Ion 85.00 (84.70 to 85.70): VU041194.D (-1782) (-)

Ion 126.90 (126.60 to 127.60): VU041194.D (-1782) (-)



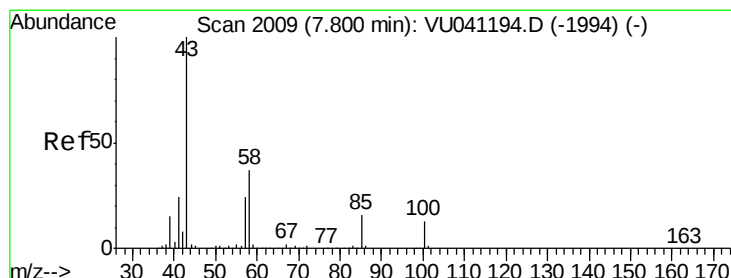
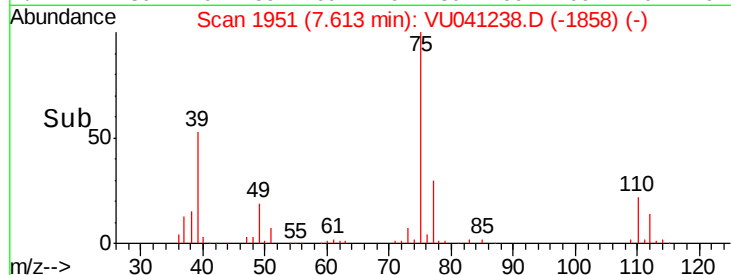
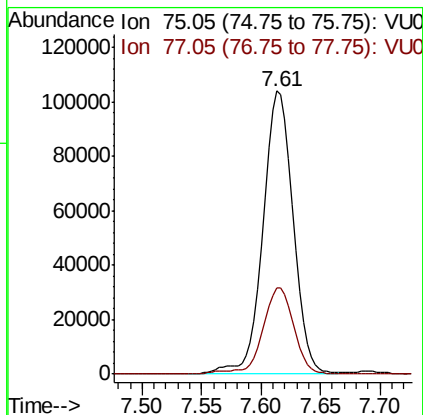
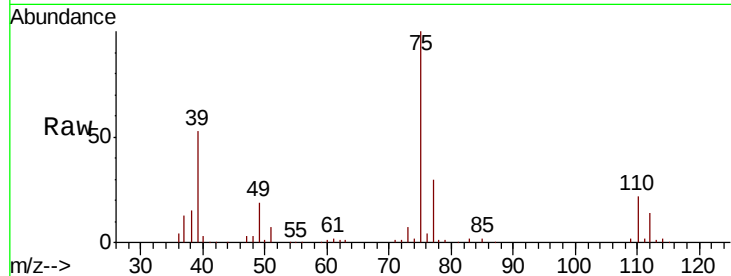


#39

cis-1,3-Dichloropropene
 Concen: 20.949 ug/L
 RT: 7.61 min Scan# 1951
 Delta R.T. 0.00 min
 Lab File: VU041238.D
 Acq: 16 Nov 2020 10:10

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02006

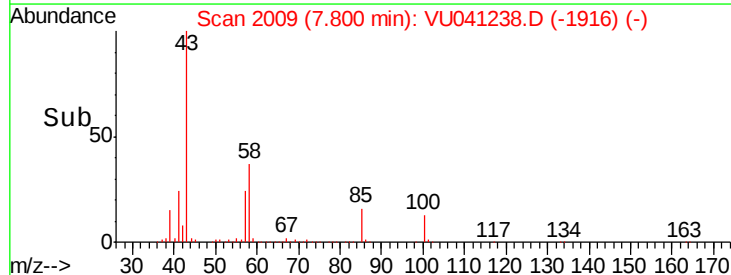
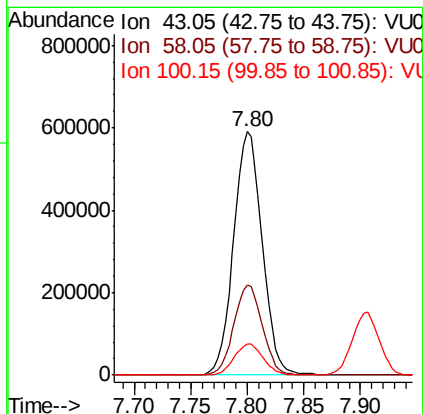
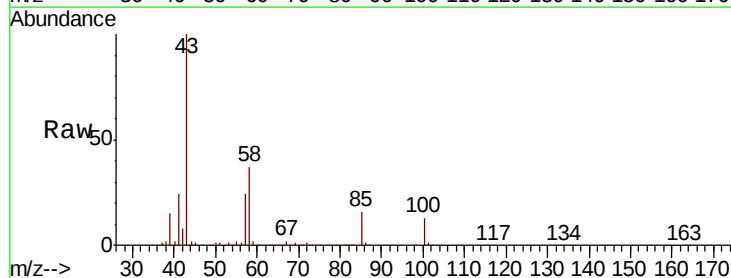
Tot Ion: 75 Resp: 183276
 Ion Ratio Lower Upper
 75 100
 77 30.3 22.7 42.3

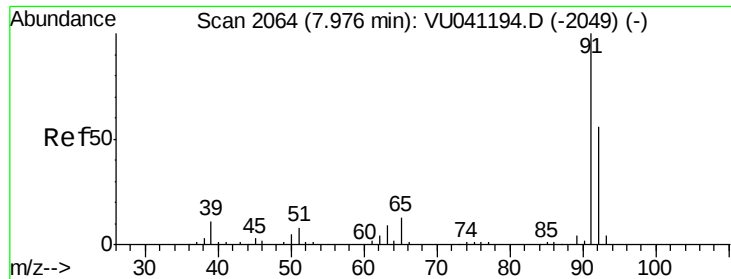


#40

4-Methyl-2-pentanone
 Concen: 205.818 ug/L
 RT: 7.80 min Scan# 2009
 Delta R.T. 0.00 min
 Lab File: VU041238.D
 Acq: 16 Nov 2020 10:10

Tgt Ion: 43 Resp: 1042729
 Ion Ratio Lower Upper
 43 100
 58 37.0 29.8 44.6
 100 12.9 10.5 15.7





#42

Toluene

Concen: 19.645 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU041238.D

Acq: 16 Nov 2020 10:10

Instrument :

MSVOA_U

ClientSampleId :

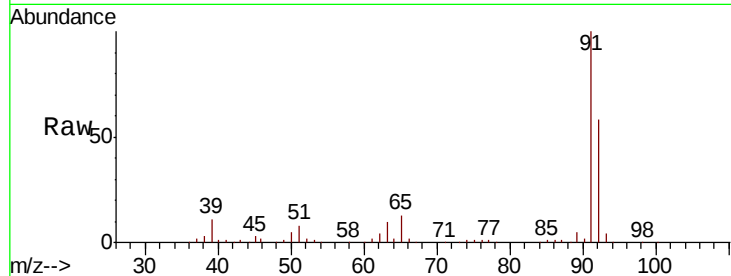
VSTD02006

Tot Ion: 91 Resp: 467789

Ion Ratio Lower Upper

91 100

92 58.3 40.6 75.4



Abundance Ion 91.15 (90.85 to 91.85): VU041194.D (-2049) (-)

Ion 92.15 (91.85 to 92.85): VU041194.D (-2049) (-)

7.98

300000

250000

200000

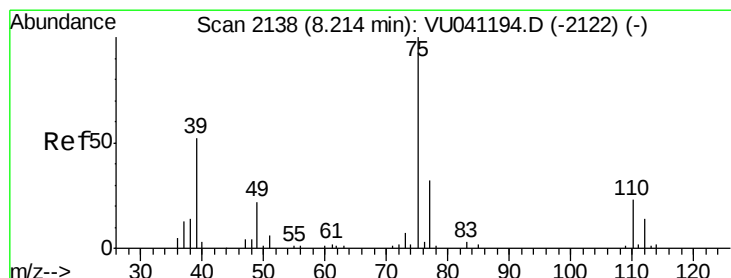
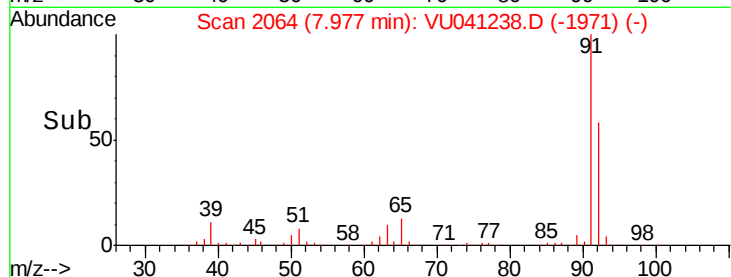
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 21.010 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. 0.00 min

Lab File: VU041238.D

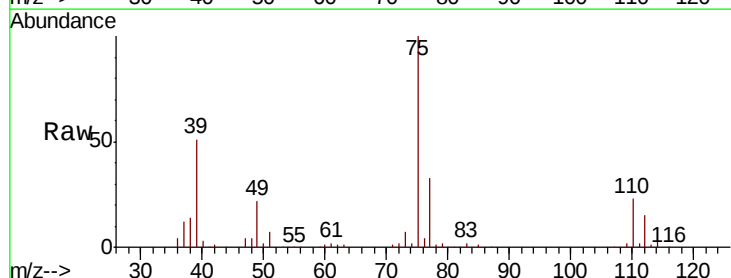
Acq: 16 Nov 2020 10:10

Tgt Ion: 75 Resp: 172016

Ion Ratio Lower Upper

75 100

77 32.7 23.3 43.3



Abundance Ion 75.05 (74.75 to 75.75): VU041194.D (-2122) (-)

Ion 77.05 (76.75 to 77.75): VU041194.D (-2122) (-)

8.21

120000

100000

80000

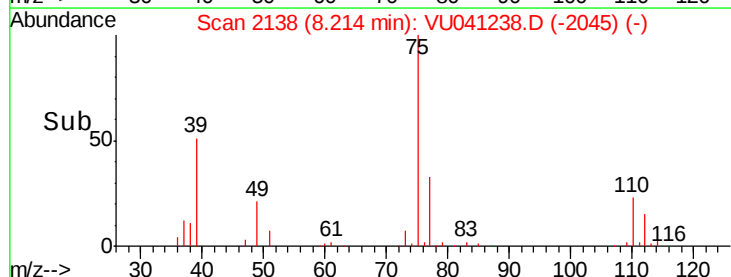
60000

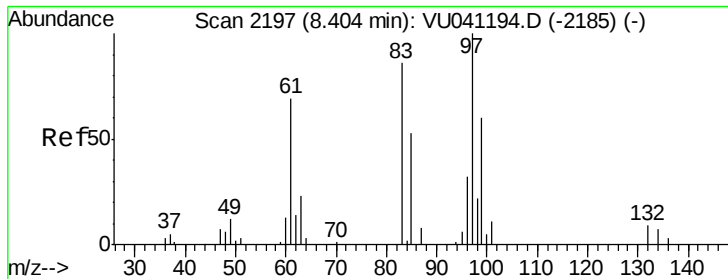
40000

20000

0

Time-->

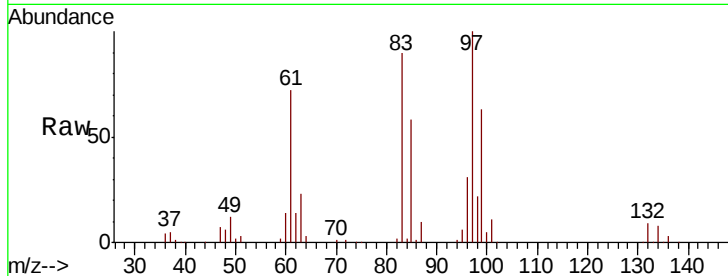




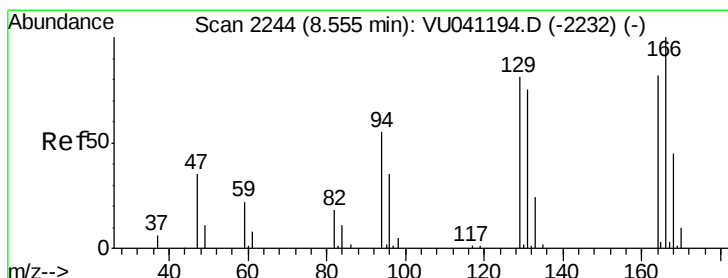
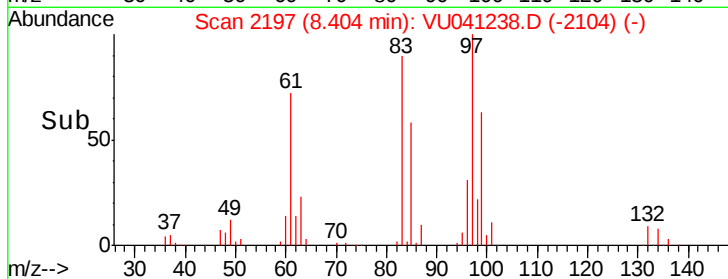
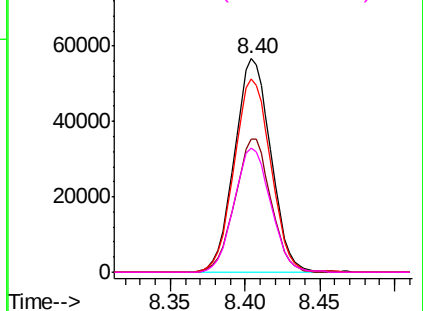
#45
 1,1,2-Trichloroethane
 Concen: 20.279 ug/L
 RT: 8.40 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VU041238.D
 Acq: 16 Nov 2020 10:10

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02006

Tot Ion:	97	Resp:	95919
Ion	Ratio	Lower	Upper
97	100		
99	62.6	45.8	85.2
83	90.3	67.9	126.1
85	58.1	42.8	79.6

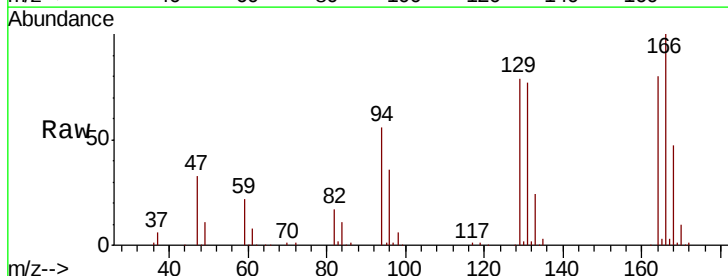


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

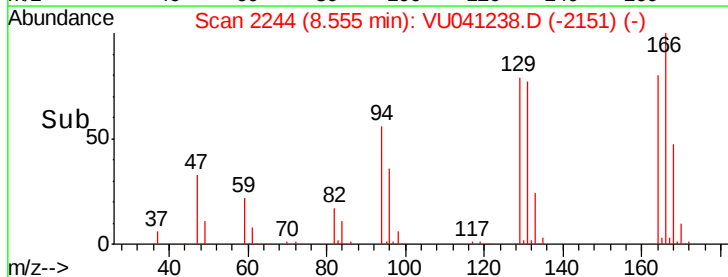
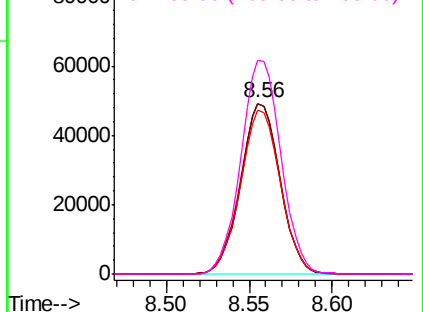


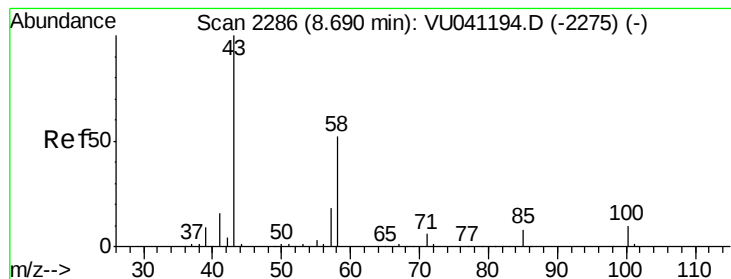
#47
 Tetrachloroethene
 Concen: 18.400 ug/L
 RT: 8.56 min Scan# 2244
 Delta R.T. 0.00 min
 Lab File: VU041238.D
 Acq: 16 Nov 2020 10:10

Tgt Ion:	164	Resp:	80856
Ion	Ratio	Lower	Upper
164	100		
129	99.6	70.3	130.7
131	95.9	70.8	131.4
166	125.4	92.0	170.8



Abundance Ion 163.90 (163.60 to 164.60): V
 Ion 128.95 (128.65 to 129.65): V
 Ion 130.95 (130.65 to 131.65): V
 Ion 165.90 (165.60 to 166.60): V





#48

2-Hexanone

Concen: 207.619 ug/L

RT: 8.69 min Scan# 2286

Delta R.T. 0.00 min

Lab File: VU041238.D

Acq: 16 Nov 2020 10:10

Instrument :

MSVOA_U

ClientSampled :

VSTD02006

Tot Ion: 43 Resp: 792011

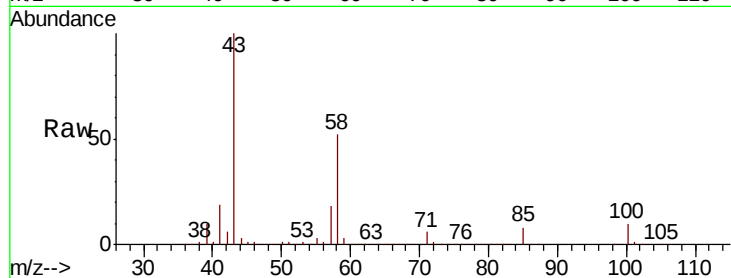
Ion Ratio Lower Upper

43 100

58 51.8 41.4 62.2

57 18.6 14.6 21.8

100 10.0 8.3 12.5

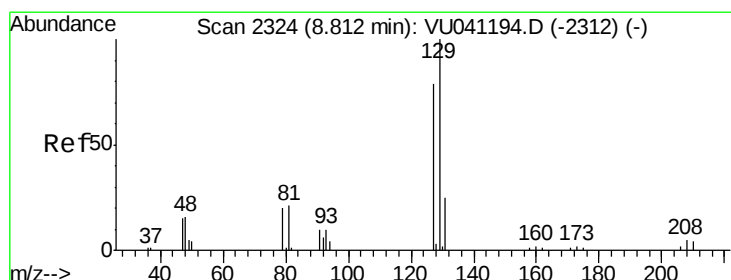
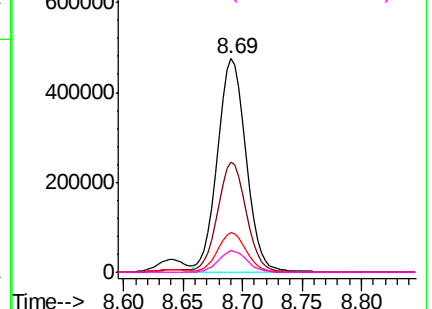
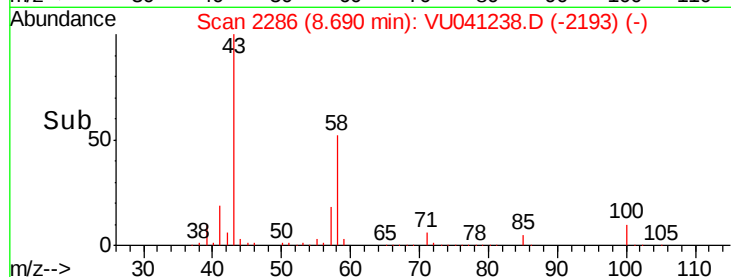


Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

Ion 57.20 (56.90 to 57.90): VU0

Ion 100.15 (99.85 to 100.85): VU0



#49

Dibromochloromethane

Concen: 20.576 ug/L

RT: 8.82 min Scan# 2325

Delta R.T. 0.00 min

Lab File: VU041238.D

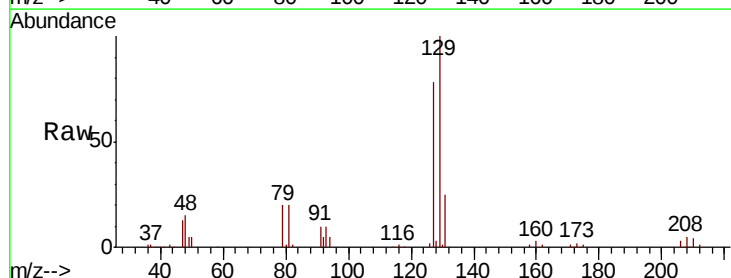
Acq: 16 Nov 2020 10:10

Tgt Ion: 129 Resp: 113025

Ion Ratio Lower Upper

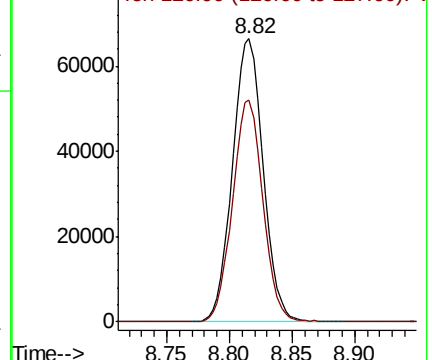
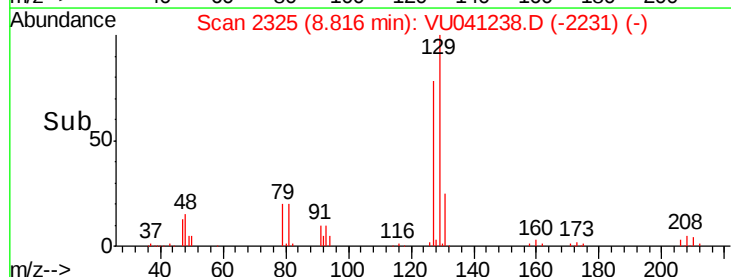
129 100

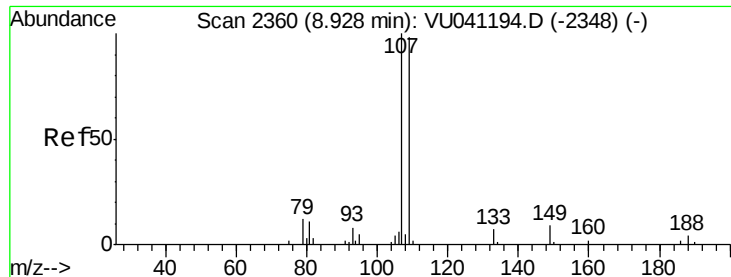
127 78.3 53.4 99.2



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

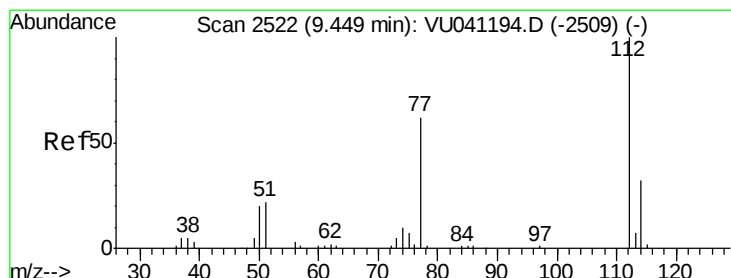
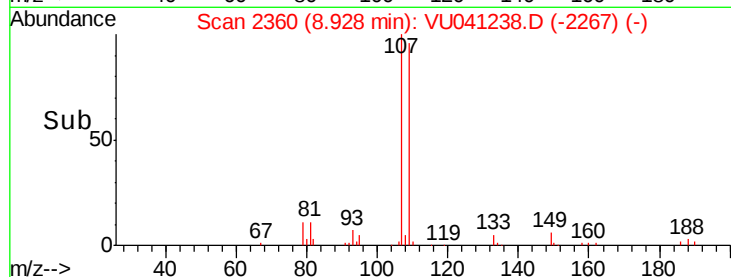
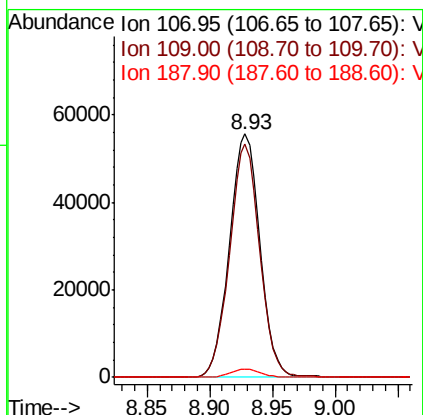
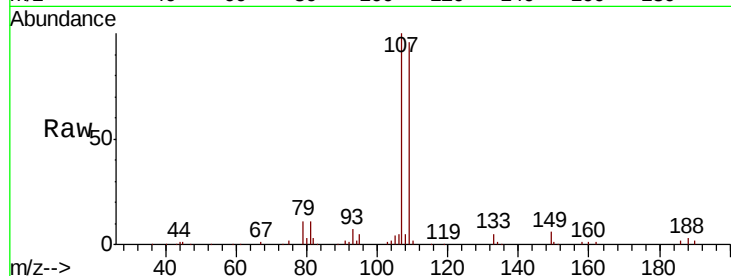




#50
 1,2-Dibromoethane
 Concen: 20.840 ug/L
 RT: 8.93 min Scan# 2360
 Delta R.T. 0.00 min
 Lab File: VU041238.D
 Acq: 16 Nov 2020 10:10

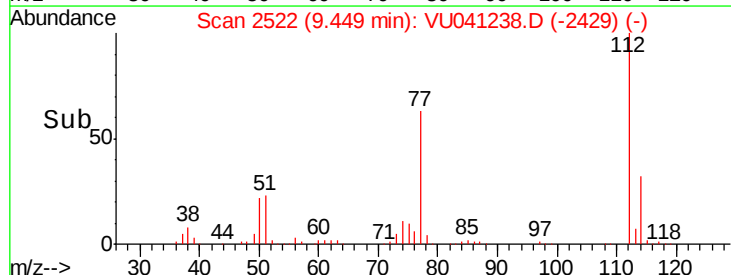
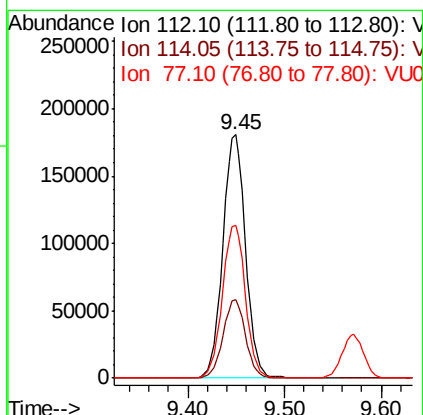
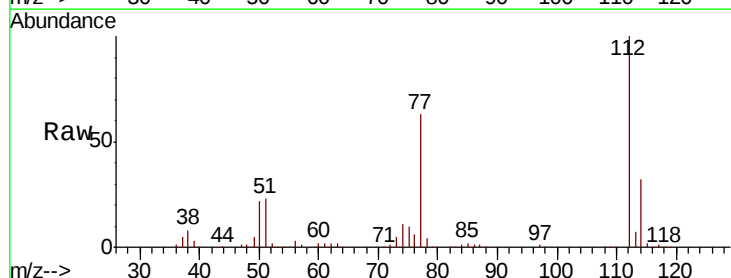
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02006

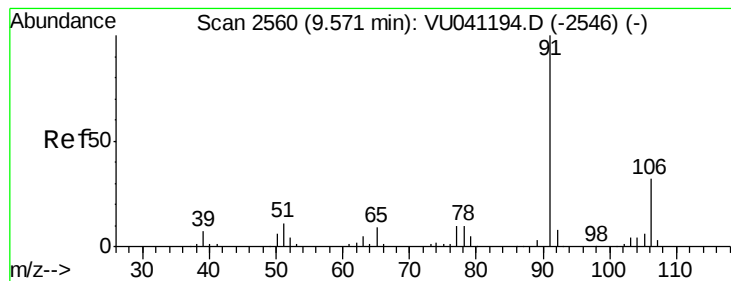
Tot Ion:107 Resp: 93933
 Ion Ratio Lower Upper
 107 100
 109 95.8 65.6 121.8
 188 3.3 2.9 4.3



#51
 Chlorobenzene
 Concen: 19.444 ug/L
 RT: 9.45 min Scan# 2522
 Delta R.T. 0.00 min
 Lab File: VU041238.D
 Acq: 16 Nov 2020 10:10

Tgt Ion:112 Resp: 293588
 Ion Ratio Lower Upper
 112 100
 114 32.1 22.4 41.6
 77 62.7 51.2 76.8





#52

Ethylbenzene

Concen: 21.244 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. 0.00 min

Lab File: VU041238.D

Acq: 16 Nov 2020 10:10

Instrument :

MSVOA_U

ClientSampleId :

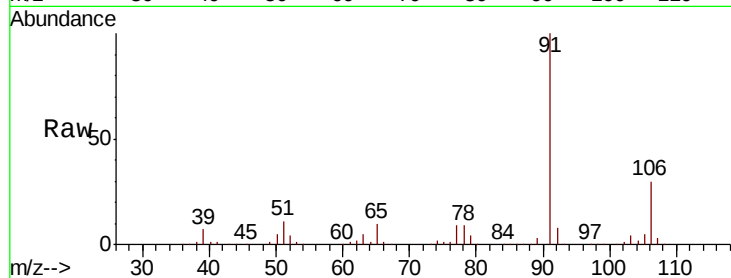
VSTD02006

Tot Ion: 91 Resp: 532472

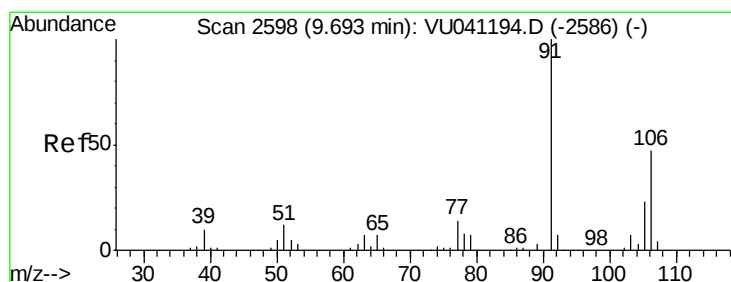
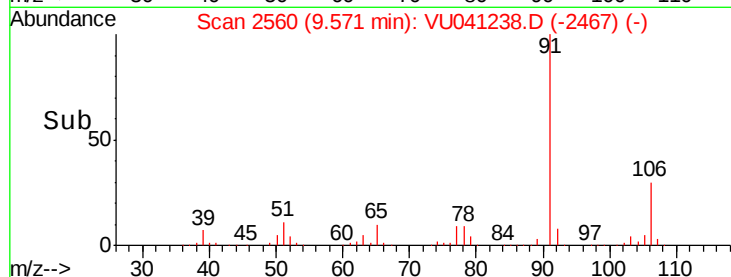
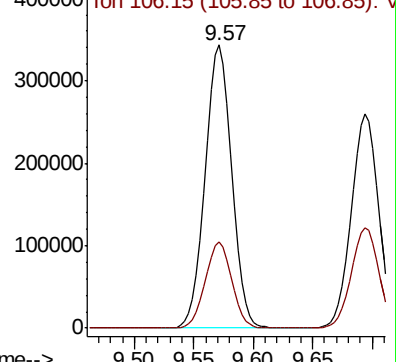
Ion Ratio Lower Upper

91 100

106 30.3 21.0 39.0



Abundance Ion 91.15 (90.85 to 91.85): VU041194.D (-2546) (-)



#53

m,p-Xylene

Concen: 21.430 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. 0.00 min

Lab File: VU041238.D

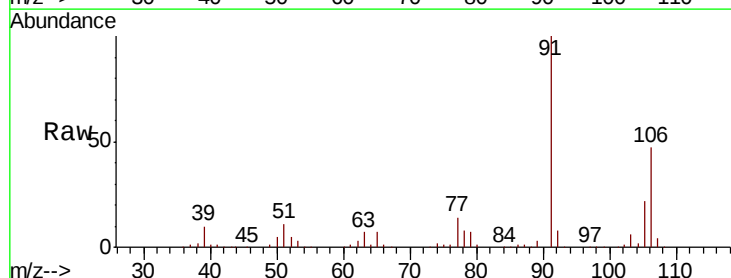
Acq: 16 Nov 2020 10:10

Tgt Ion: 106 Resp: 195897

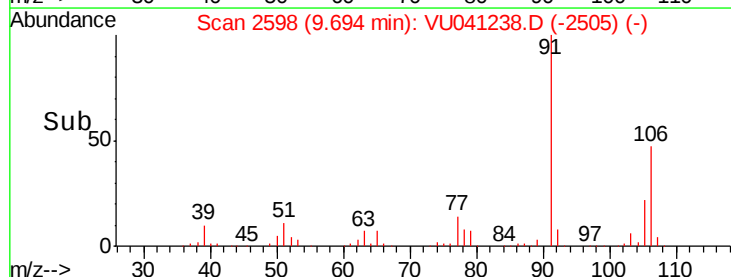
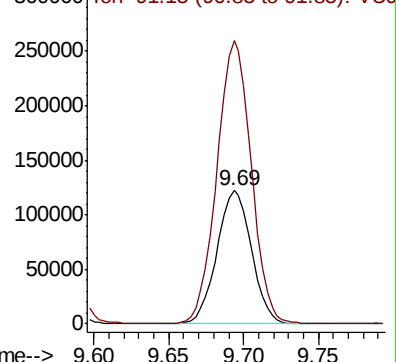
Ion Ratio Lower Upper

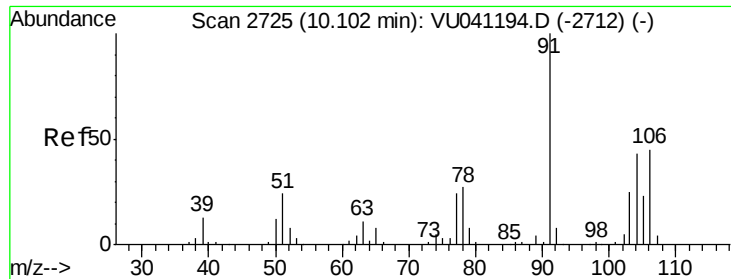
106 100

91 212.5 150.9 280.3



Abundance Ion 106.15 (105.85 to 106.85): VU041194.D (-2586) (-)

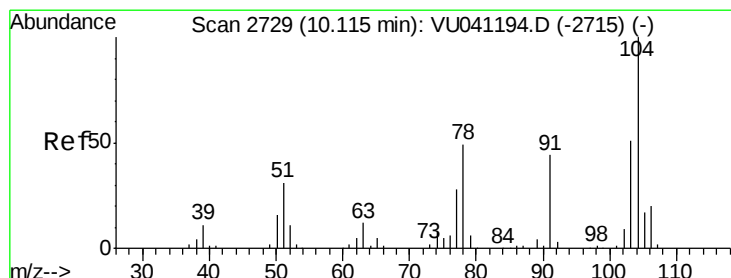
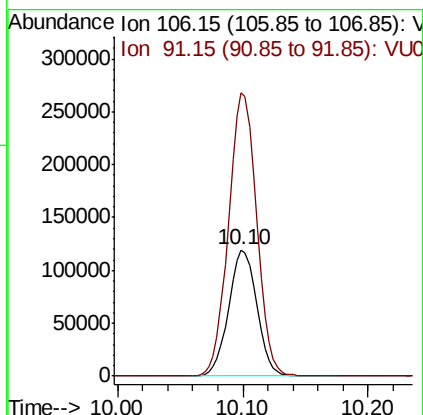
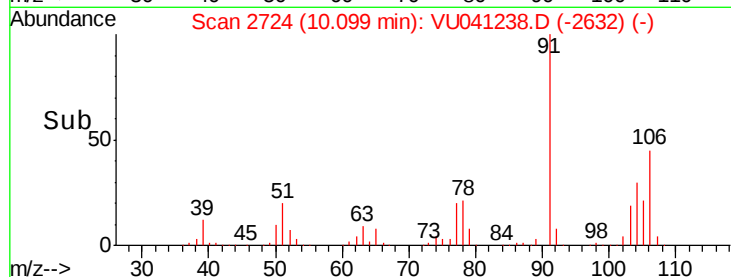
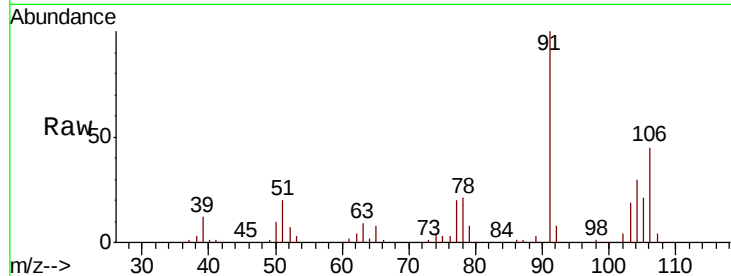




#54
o-Xylene
Concen: 22.000 ug/L
RT: 10.10 min Scan# 2724
Delta R.T. -0.00 min
Lab File: VU041238.D
Acq: 16 Nov 2020 10:10

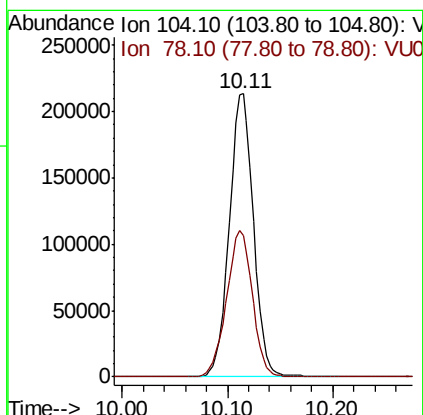
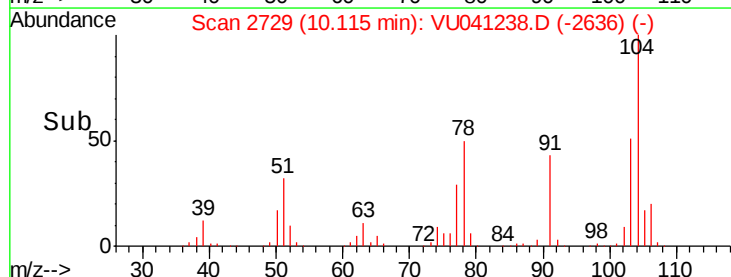
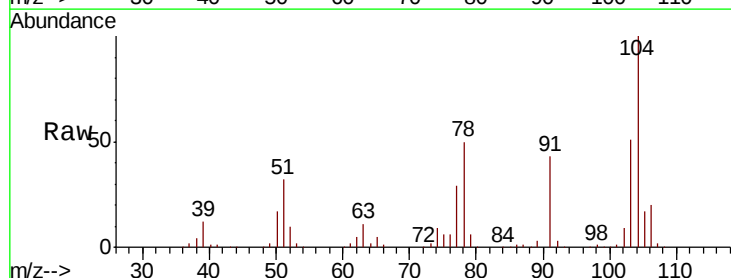
Instrument :
MSVOA_U
ClientSampleId :
VSTD02006

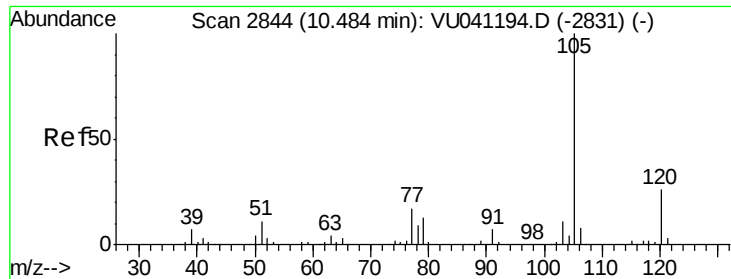
Tot Ion:106 Resp: 187298
Ion Ratio Lower Upper
106 100
91 224.5 154.3 286.5



#55
Styrene
Concen: 22.195 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. 0.00 min
Lab File: VU041238.D
Acq: 16 Nov 2020 10:10

Tgt Ion:104 Resp: 336656
Ion Ratio Lower Upper
104 100
78 50.1 35.5 65.9





#56

Isopropylbenzene

Concen: 22.320 ug/L

RT: 10.48 min Scan# 2843

Delta R.T. -0.00 min

Lab File: VU041238.D

Acq: 16 Nov 2020 10:10

Instrument :

MSVOA_U

ClientSampleId :

VSTD02006

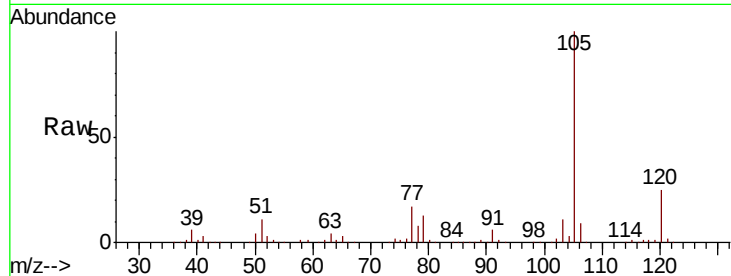
Tot Ion:105 Resp: 510955

Ion Ratio Lower Upper

105 100

120 25.3 20.7 31.1

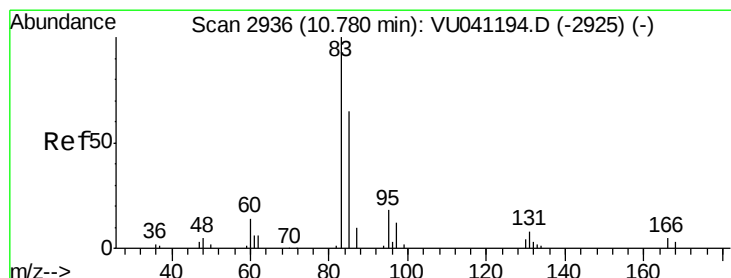
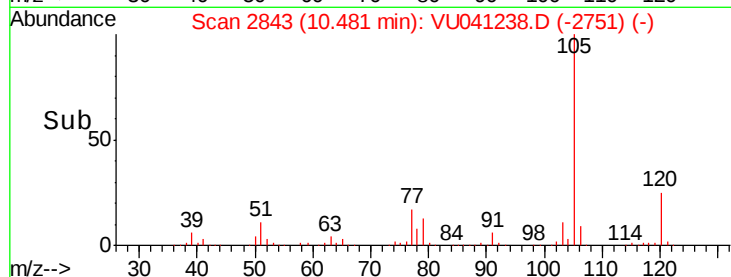
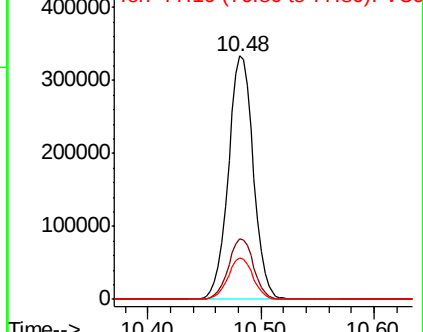
77 17.1 13.8 20.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 20.596 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. 0.00 min

Lab File: VU041238.D

Acq: 16 Nov 2020 10:10

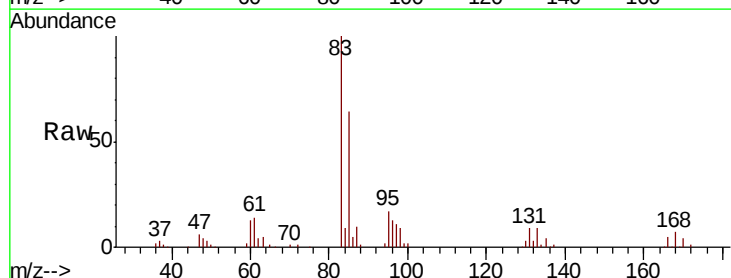
Tgt Ion: 83 Resp: 127943

Ion Ratio Lower Upper

83 100

85 63.6 44.4 82.4

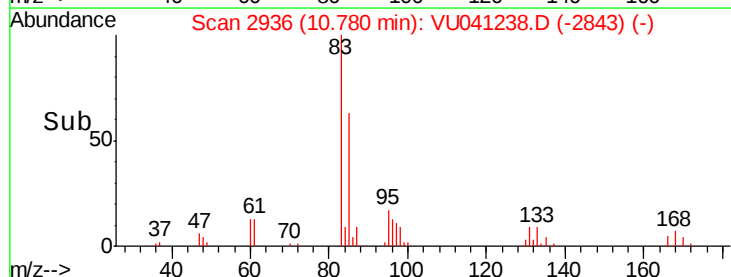
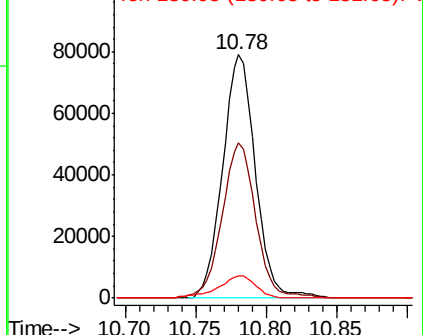
131 9.4 7.7 11.5

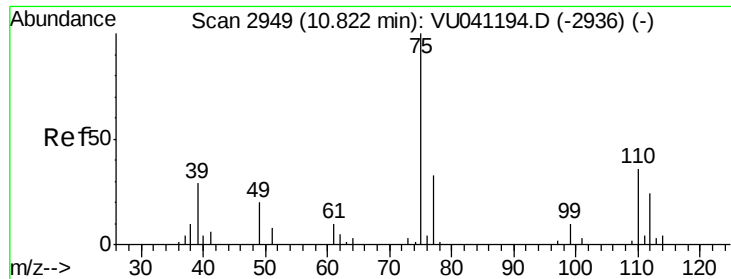


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 21.255 ug/L

RT: 10.82 min Scan# 2949

Delta R.T. 0.00 min

Lab File: VU041238.D

Acq: 16 Nov 2020 10:10

Instrument :

MSVOA_U

ClientSampleId :

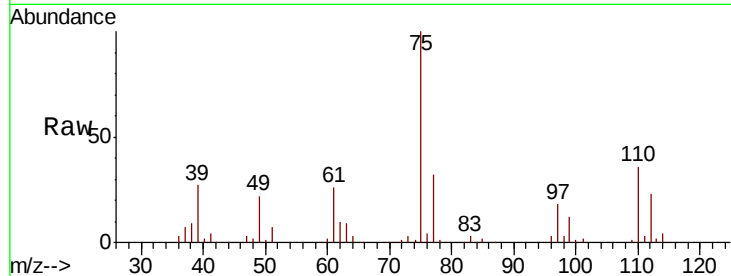
VSTD02006

Tot Ion: 75 Resp: 100658

Ion Ratio Lower Upper

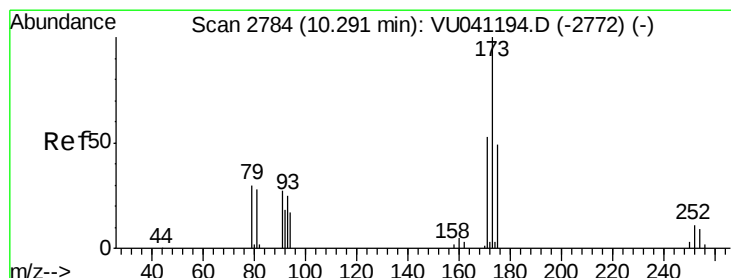
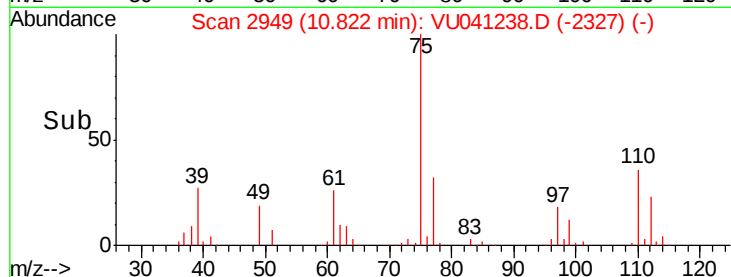
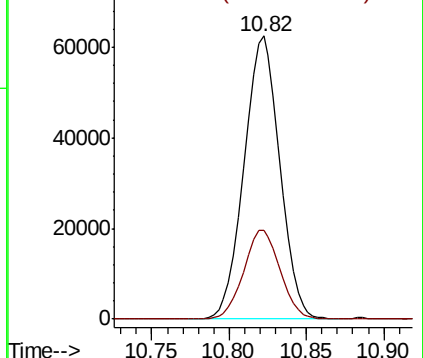
75 100

77 31.9 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VU041194.D (-2936) (-)

Ion 77.00 (76.70 to 77.70): VU041194.D (-2936) (-)



#61

Bromoform

Concen: 20.051 ug/L

RT: 10.29 min Scan# 2784

Delta R.T. 0.00 min

Lab File: VU041238.D

Acq: 16 Nov 2020 10:10

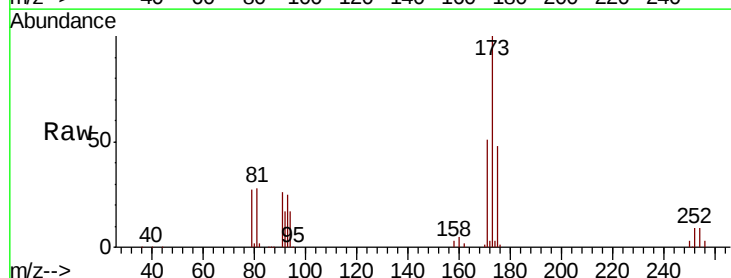
Tgt Ion: 173 Resp: 68161

Ion Ratio Lower Upper

173 100

175 48.1 37.6 56.4

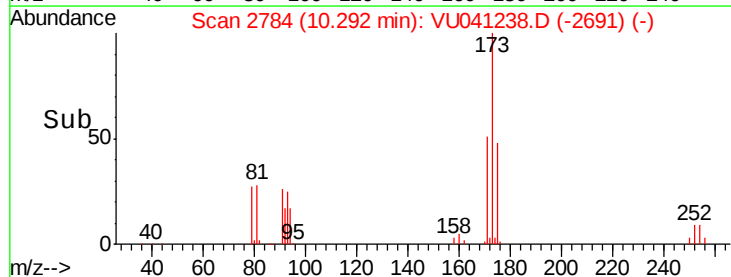
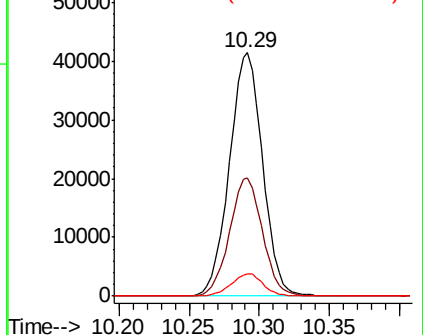
254 8.8 6.6 9.8

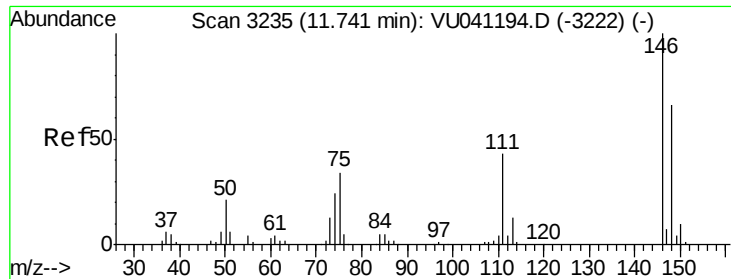


Abundance Ion 172.90 (172.60 to 173.60): VU041194.D (-2772) (-)

Ion 174.90 (174.60 to 175.60): VU041194.D (-2772) (-)

Ion 253.75 (253.45 to 254.45): VU041194.D (-2772) (-)





#62

1,3-Dichlorobenzene

Concen: 20.568 ug/L

RT: 11.74 min Scan# 3234

Delta R.T. -0.00 min

Lab File: VU041238.D

Acq: 16 Nov 2020 10:10

Instrument :

MSVOA_U

ClientSampleId :

VSTD02006

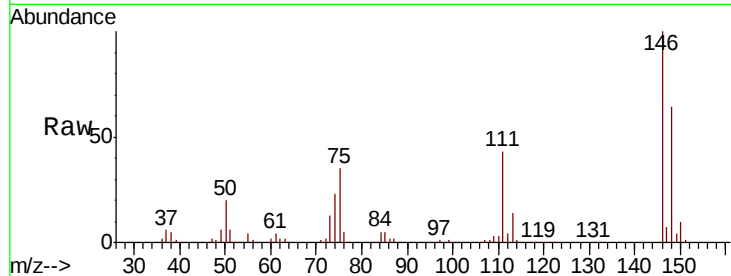
Tot Ion:146 Resp: 261890

Ion Ratio Lower Upper

146 100

111 43.0 30.9 57.3

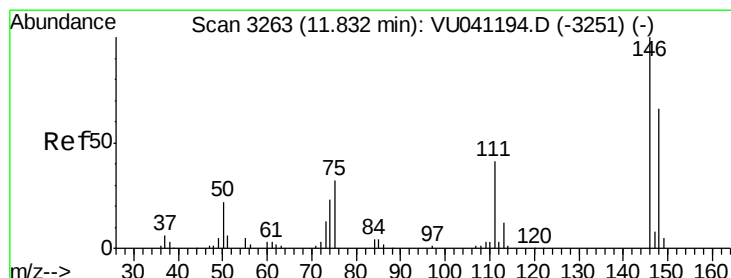
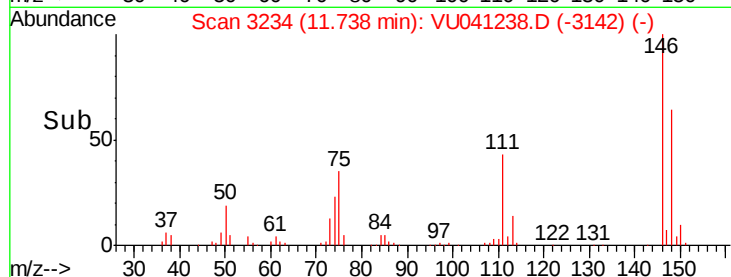
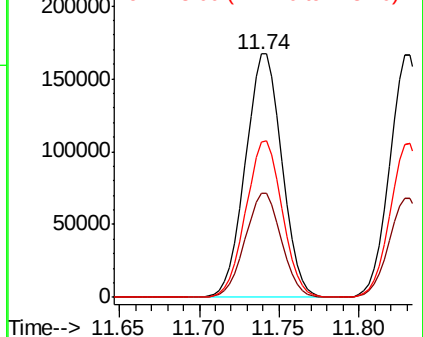
148 63.8 45.8 85.2



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 19.853 ug/L

RT: 11.83 min Scan# 3263

Delta R.T. 0.00 min

Lab File: VU041238.D

Acq: 16 Nov 2020 10:10

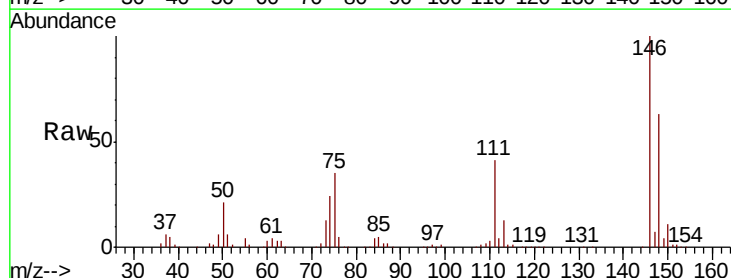
Tgt Ion:146 Resp: 261809

Ion Ratio Lower Upper

146 100

111 40.7 28.3 52.7

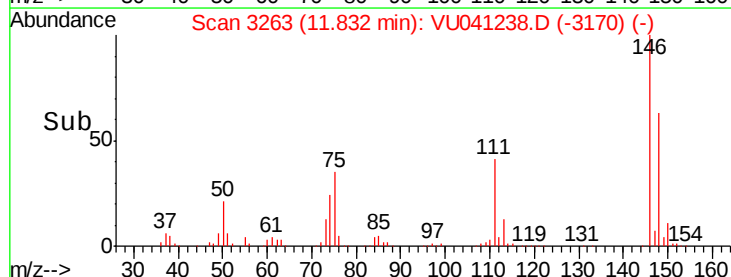
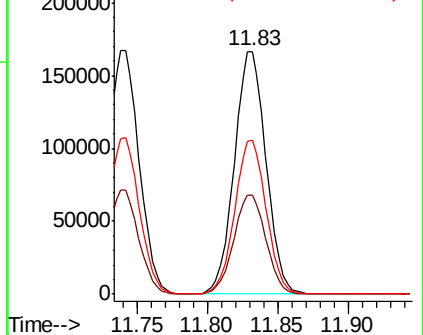
148 63.2 44.2 82.2

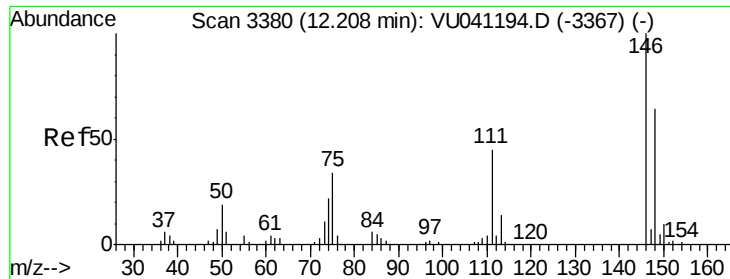


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

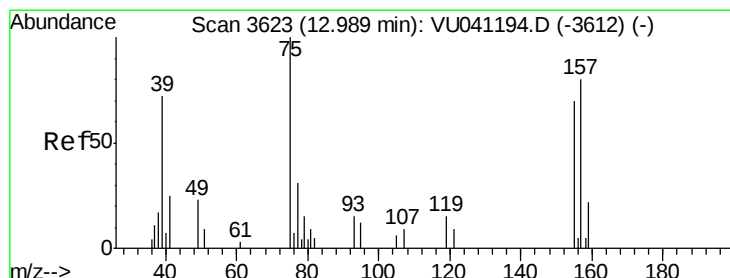
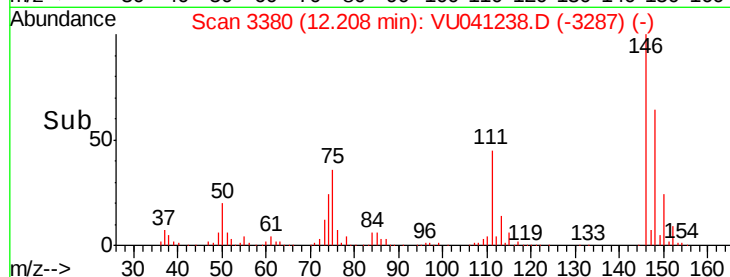
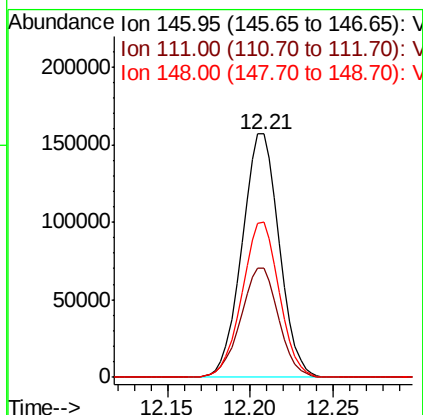
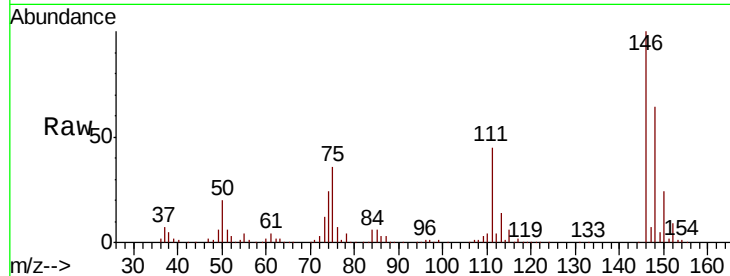




#65
 1,2-Dichlorobenzene
 Concen: 19.488 ug/L
 RT: 12.21 min Scan# 3380
 Delta R.T. 0.00 min
 Lab File: VU041238.D
 Acq: 16 Nov 2020 10:10

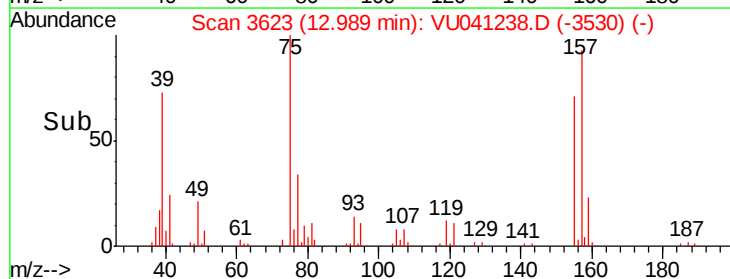
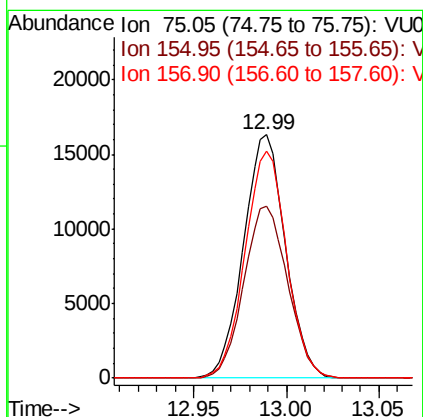
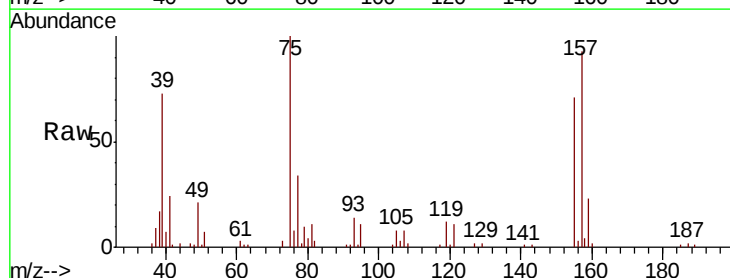
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02006

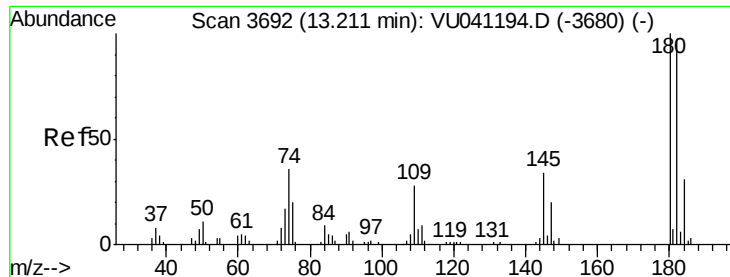
Tot Ion:146 Resp: 244860
 Ion Ratio Lower Upper
 146 100
 111 44.6 35.0 52.6
 148 63.7 52.0 78.0



#66
 1,2-Dibromo-3-chloropropane
 Concen: 20.938 ug/L
 RT: 12.99 min Scan# 3623
 Delta R.T. 0.00 min
 Lab File: VU041238.D
 Acq: 16 Nov 2020 10:10

Tgt Ion: 75 Resp: 25785
 Ion Ratio Lower Upper
 75 100
 155 70.7 61.4 92.2
 157 93.2 74.2 111.4

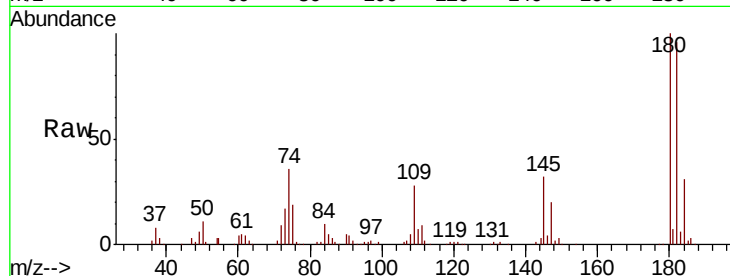




#67
 1,3,5-Trichlorobenzene
 Concen: 21.939 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. 0.00 min
 Lab File: VU041238.D
 Acq: 16 Nov 2020 10:10

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02006

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.7	75.7	113.5
184	31.1	23.7	35.5
145	31.8	26.1	39.1



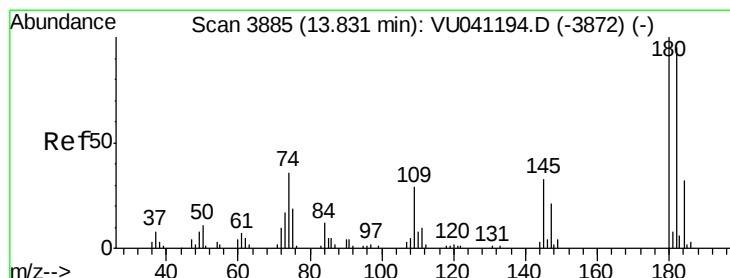
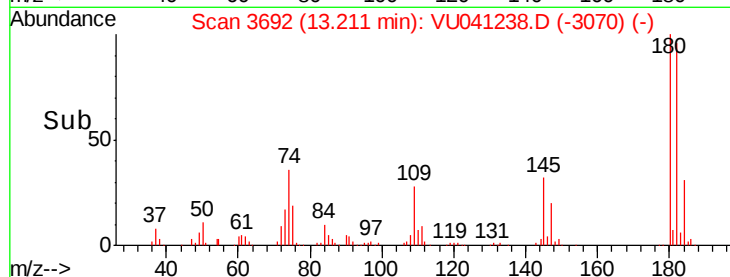
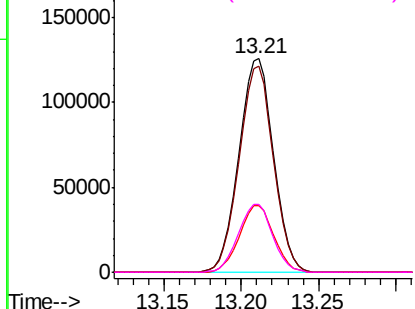
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

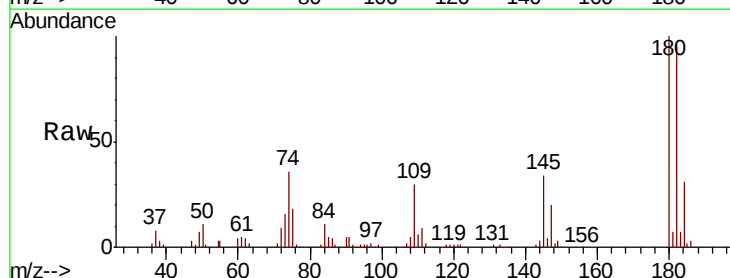
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 22.217 ug/L
 RT: 13.83 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VU041238.D
 Acq: 16 Nov 2020 10:10

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.5	73.5	110.3
145	33.5	26.6	40.0

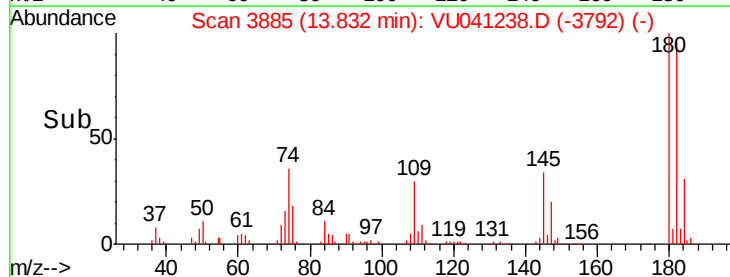
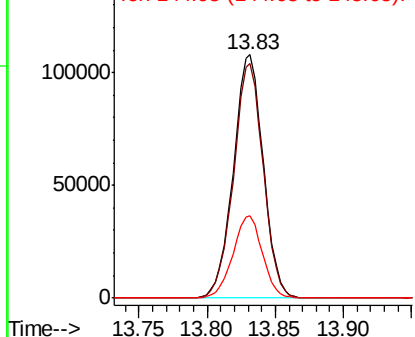


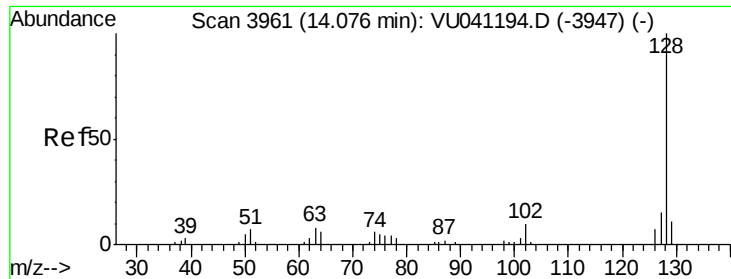
Abundance

Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V

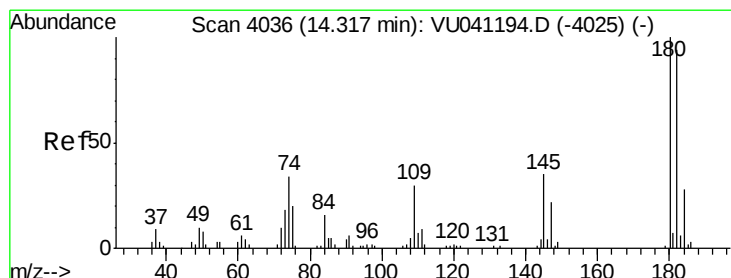
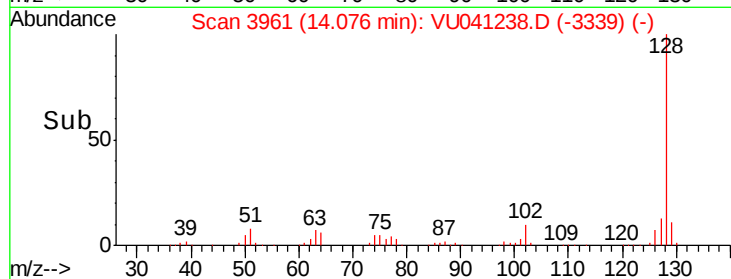
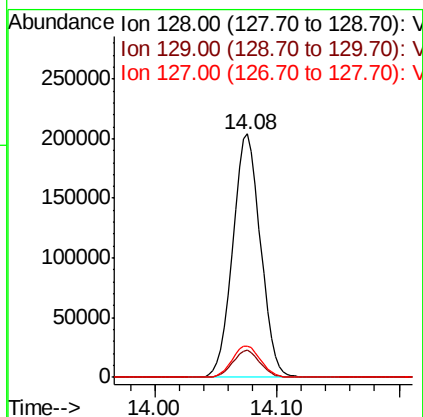
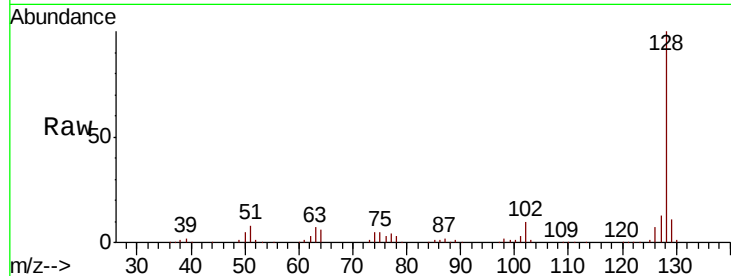




#69
Naphthalene
Concen: 24.446 ug/L
RT: 14.08 min Scan# 3961
Delta R.T. 0.00 min
Lab File: VU041238.D
Acq: 16 Nov 2020 10:10

Instrument :
MSVOA_U
ClientSampled :
VSTD02006

Tot Ion:128 Resp: 322465
Ion Ratio Lower Upper
128 100
129 10.9 8.7 13.1
127 13.2 10.8 16.2



#70
1,2,3-Trichlorobenzene
Concen: 22.197 ug/L
RT: 14.32 min Scan# 4036
Delta R.T. 0.00 min
Lab File: VU041238.D
Acq: 16 Nov 2020 10:10

Tgt Ion:180 Resp: 150922
Ion Ratio Lower Upper
180 100
182 96.6 77.7 116.5
145 35.2 29.4 44.0

