

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111620\
 Data File : VU041236.D
 Acq On : 16 Nov 2020 09:24
 Operator : SY/MD
 Sample : VSTD00504
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00504

Quant Time: Nov 16 10:18:30 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	68984	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	74046	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	36099	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	25958	4.48	ug/L	0.00
7) Chloroethane-d5	1.92	69	22776	5.11	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.58	63	52524	4.62	ug/L	0.00
20) 2-Butanone-d5	4.65	46	111288	58.31	ug/L	0.00
24) Chloroform-d	5.08	84	53916	5.27	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.72	65	34657	5.46	ug/L	0.00
32) Benzene-d6	5.74	84	100738	5.09	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.70	67	33094	5.13	ug/L	0.00
41) Toluene-d8	7.91	98	100031	5.57	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.19	79	15375	5.50	ug/L	0.00
46) 2-Hexanone-d5	8.64	63	84923	56.44	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.75	84	29598	4.94	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.19	152	35975	5.68	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	28538	4.531 ug/L	98
3) Chloromethane	1.53	50	29767	4.533 ug/L	99
5) Vinyl chloride	1.61	62	30259	4.671 ug/L	100
6) Bromomethane	1.87	94	17683	4.762 ug/L	93
8) Chloroethane	1.94	64	19684	4.795 ug/L	99
9) Trichlorofluoromethane	2.15	101	46871	5.323 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	26777	5.188 ug/L	97
12) 1,1-Dichloroethene	2.59	96	22704	4.659 ug/L	99
13) Acetone	2.66	43	70032	53.673 ug/L #	55
14) Carbon disulfide	2.81	76	66890	4.108 ug/L	99
15) Methyl Acetate	2.97	43	15515	5.197 ug/L	94
16) Methylene chloride	3.06	84	27652	4.870 ug/L	96
17) Methyl tert-butyl Ether	3.38	73	60321	4.810 ug/L	99
18) trans-1,2-Dichloroethene	3.37	96	21876	4.417 ug/L	93
19) 1,1-Dichloroethane	3.89	63	47579	4.806 ug/L	98
21) 2-Butanone	4.73	43	109461	53.676 ug/L	100
22) cis-1,2-Dichloroethene	4.68	96	26064	5.103 ug/L	93
23) Bromochloromethane	4.99	128	12615	5.235 ug/L	93
25) Chloroform	5.11	83	51855	5.223 ug/L	98
27) 1,2-Dichloroethane	5.81	62	38325	5.183 ug/L #	93
29) 1,1,1-Trichloroethane	5.33	97	43563	4.810 ug/L	96
30) Cyclohexane	5.41	56	36545	4.096 ug/L	100
31) Carbon tetrachloride	5.54	117	39594	4.938 ug/L	100
33) Benzene	5.79	78	99541	4.499 ug/L	100
34) Trichloroethene	6.55	95	27053	4.805 ug/L	94
35) Methylcyclohexane	6.77	83	35166	4.187 ug/L	97
37) 1,2-Dichloropropane	6.80	63	29779	4.974 ug/L	98
38) Bromodichloromethane	7.11	83	37957	4.888 ug/L	93
39) cis-1,3-Dichloropropene	7.61	75	41857	5.078 ug/L	100
40) 4-Methyl-2-pentanone	7.80	43	256679	53.774 ug/L	98

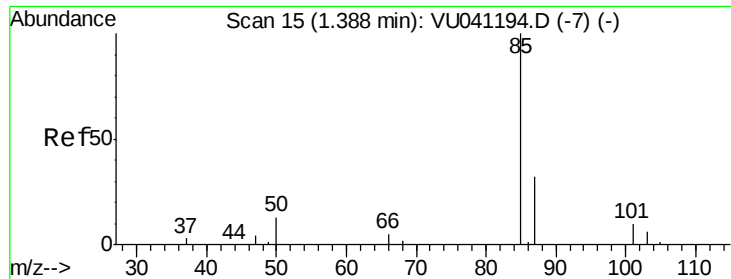
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.98	91	113601	5.064	ug/L	99
44) trans-1,3-Dichloropropene	8.21	75	40916	5.304	ug/L	98
45) 1,1,2-Trichloroethane	8.40	97	23004	5.162	ug/L	100
47) Tetrachloroethene	8.56	164	20607	4.977	ug/L	96
48) 2-Hexanone	8.69	43	196320	54.622	ug/L	99
49) Dibromochloromethane	8.81	129	27818	5.375	ug/L	98
50) 1,2-Dibromoethane	8.93	107	21780	5.129	ug/L	96
51) Chlorobenzene	9.45	112	71349	5.015	ug/L	98
52) Ethylbenzene	9.57	91	115460	4.889	ug/L	99
53) m,p-Xylene	9.69	106	43320	5.030	ug/L	99
54) o-Xylene	10.10	106	41133	5.128	ug/L	99
55) Styrene	10.11	104	75447	5.279	ug/L	97
56) Isopropylbenzene	10.48	105	106220	4.925	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.78	83	27197	4.647	ug/L	99
59) 1,2,3-Trichloropropane	10.82	75	21716	4.867	ug/L	100
61) Bromoform	10.29	173	15627	5.617	ug/L	99
62) 1,3-Dichlorobenzene	11.74	146	54815	5.260	ug/L	96
63) 1,4-Dichlorobenzene	11.83	146	55886	5.178	ug/L	100
65) 1,2-Dichlorobenzene	12.20	146	55978	5.444	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.99	75	4996	4.957	ug/L	92
67) 1,3,5-Trichlorobenzene	13.21	180	39834	5.466	ug/L	99
68) 1,2,4-trichlorobenzene	13.83	180	34474	5.710	ug/L	99
69) Naphthalene	14.08	128	53691	4.973	ug/L	99
70) 1,2,3-Trichlorobenzene	14.32	180	31066	5.583	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 4.531 ug/L

RT: 1.39 min Scan# 15

Delta R.T. 0.00 min

Lab File: VU041236.D

Acq: 16 Nov 2020 09:24

Instrument :

MSVOA_U

ClientSampleId :

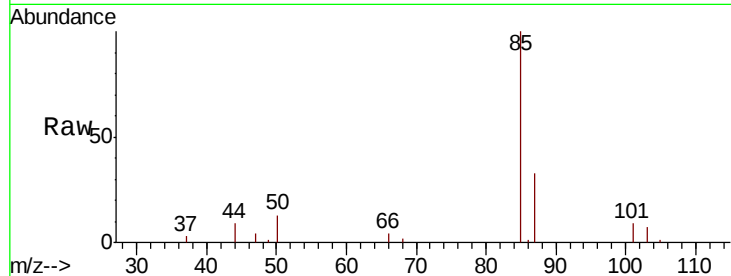
VSTD00504

Tot Ion: 85 Resp: 28538

Ion Ratio Lower Upper

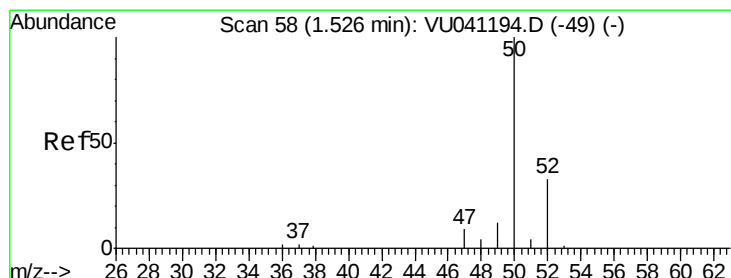
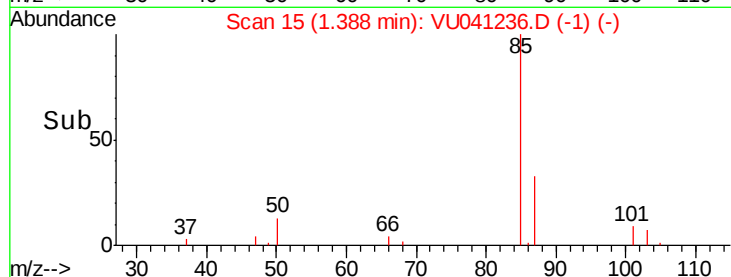
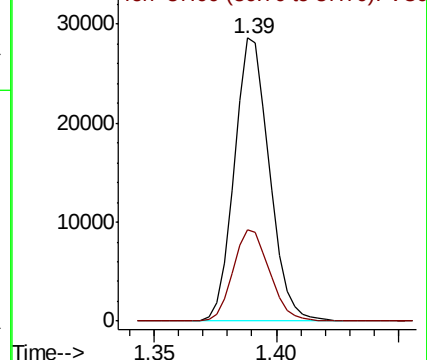
85 100

87 33.5 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: 4.533 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU041236.D

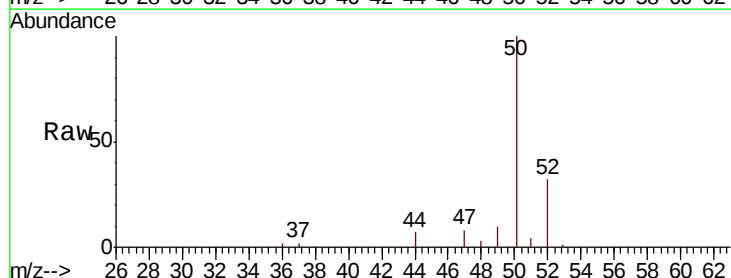
Acq: 16 Nov 2020 09:24

Tgt Ion: 50 Resp: 29767

Ion Ratio Lower Upper

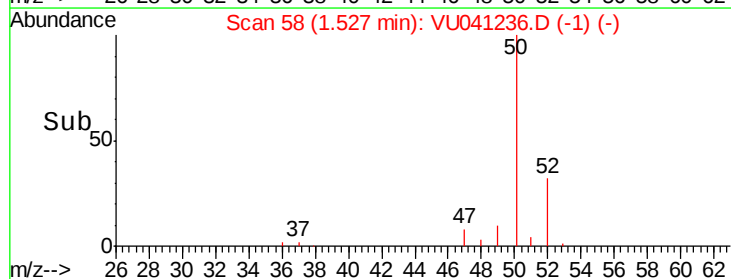
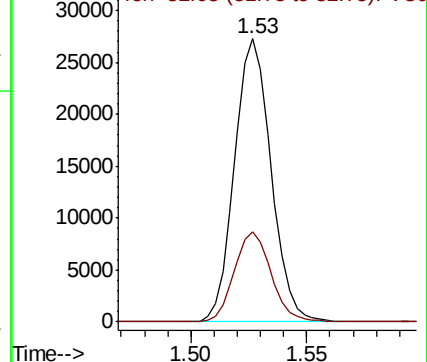
50 100

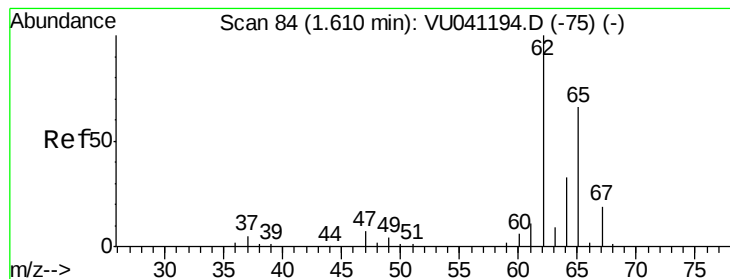
52 31.7 22.4 41.6



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0





#5

Vinyl chloride

Concen: 4.671 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU041236.D

Acq: 16 Nov 2020 09:24

Instrument :

MSVOA_U

ClientSampleId :

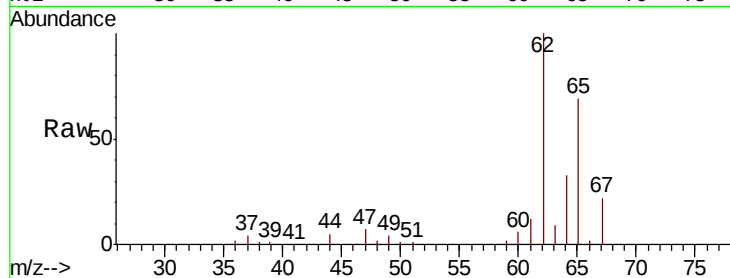
VSTD00504

Tot Ion: 62 Resp: 30259

Ion Ratio Lower Upper

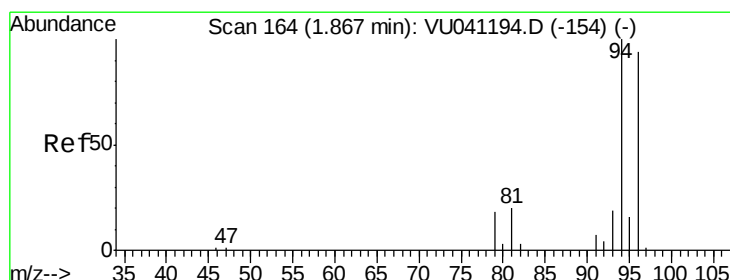
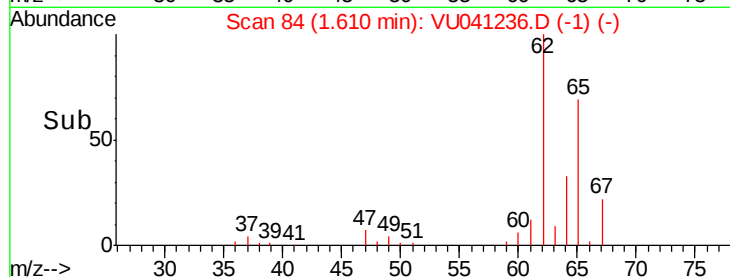
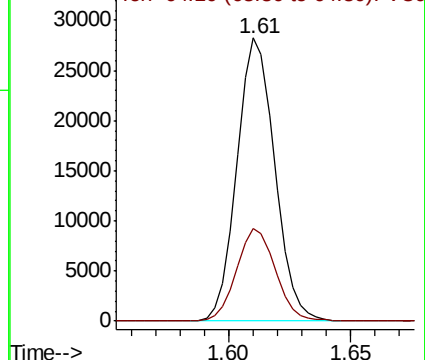
62 100

64 32.6 22.7 42.3



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#6

Bromomethane

Concen: 4.762 ug/L

RT: 1.87 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU041236.D

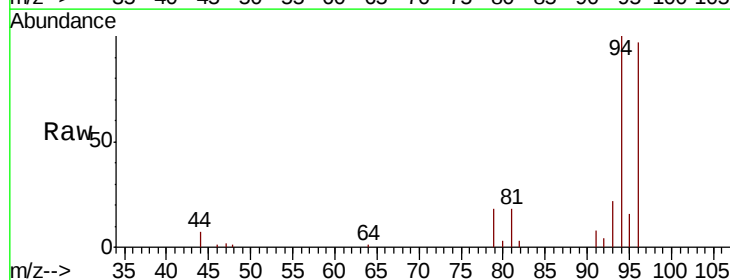
Acq: 16 Nov 2020 09:24

Tgt Ion: 94 Resp: 17683

Ion Ratio Lower Upper

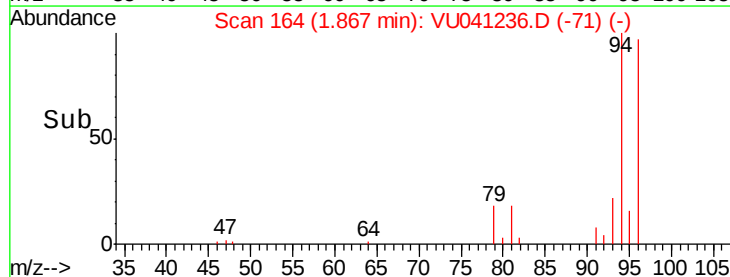
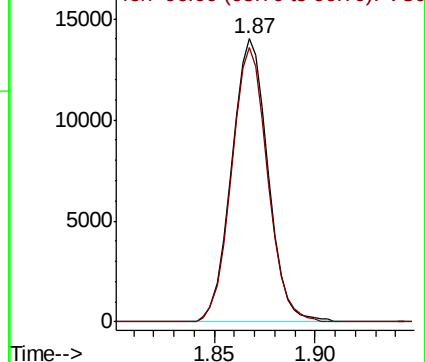
94 100

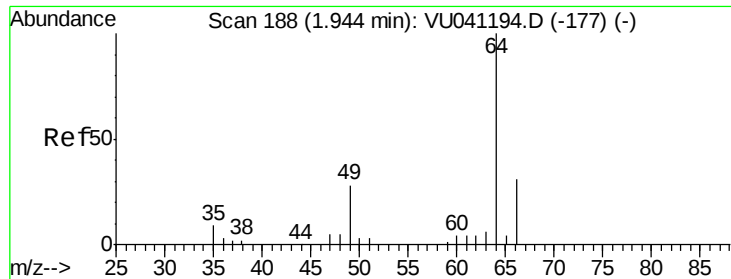
96 97.0 63.5 117.9



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 4.795 ug/L

RT: 1.94 min Scan# 188

Delta R.T. 0.00 min

Lab File: VU041236.D

Acq: 16 Nov 2020 09:24

Instrument :

MSVOA_U

ClientSampleId :

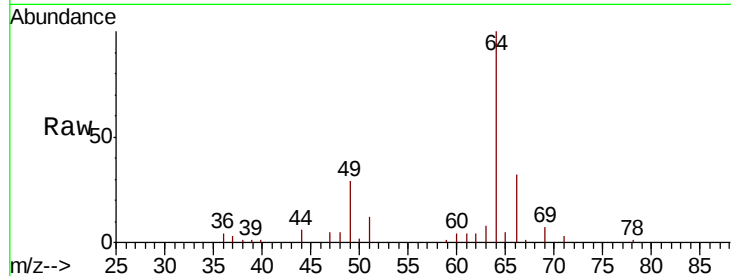
VSTD00504

Tot Ion: 64 Resp: 19684

Ion Ratio Lower Upper

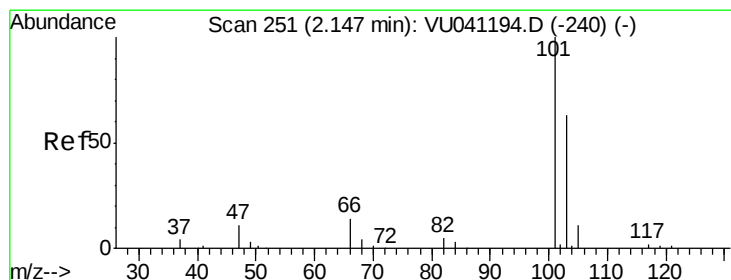
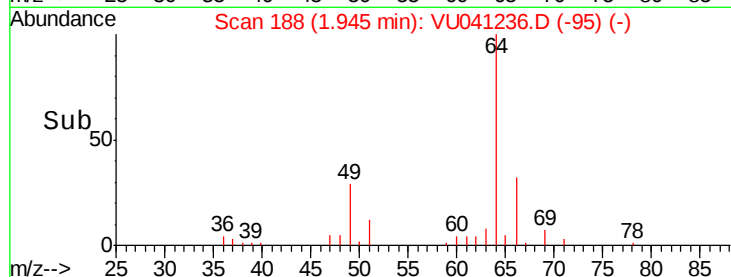
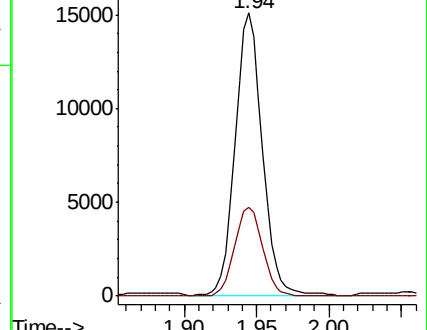
64 100

66 31.6 22.3 41.5



Abundance Ion 64.10 (63.80 to 64.80): VU041194.D (-177) (-)

Ion 66.05 (65.75 to 66.75): VU041194.D (-177) (-)



#9

Trichlorofluoromethane

Concen: 5.323 ug/L

RT: 2.15 min Scan# 252

Delta R.T. 0.00 min

Lab File: VU041236.D

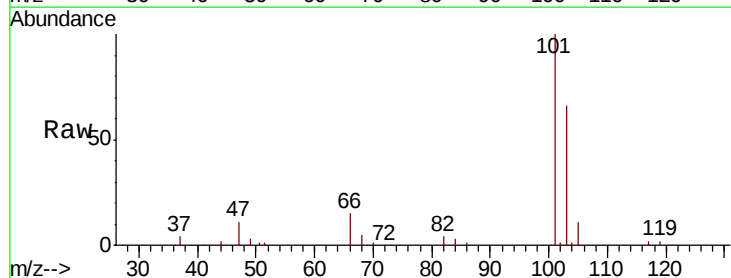
Acq: 16 Nov 2020 09:24

Tgt Ion: 101 Resp: 46871

Ion Ratio Lower Upper

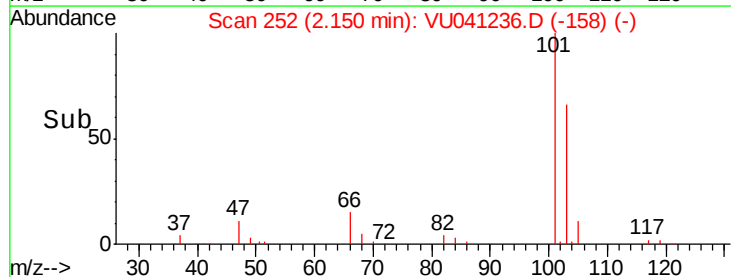
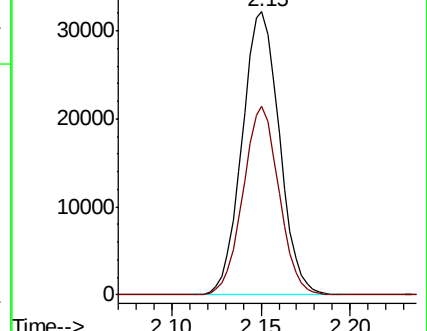
101 100

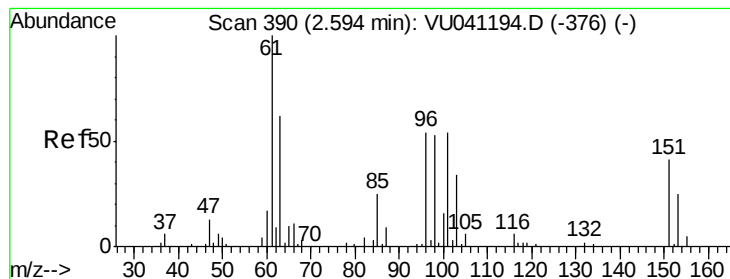
103 64.0 51.0 76.4



Abundance Ion 101.00 (100.70 to 101.70): VU041194.D (-240) (-)

Ion 103.00 (102.70 to 103.70): VU041194.D (-240) (-)





#10

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

Concen: 5.188 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU041236.D

Acq: 16 Nov 2020 09:24

Instrument :

MSVOA_U

ClientSampleId :

VSTD00504

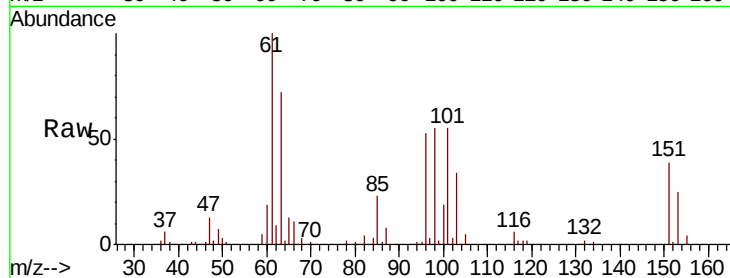
Tot Ion:101 Resp: 26777

Ion Ratio Lower Upper

101 100

85 44.9 35.0 52.4

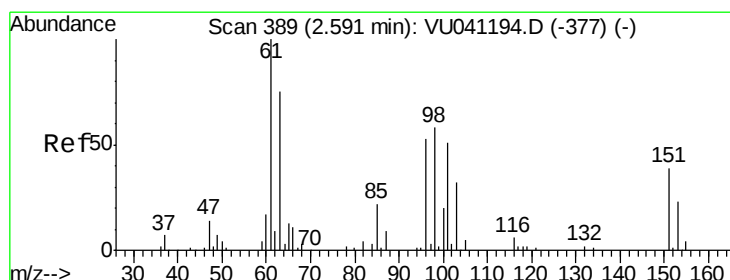
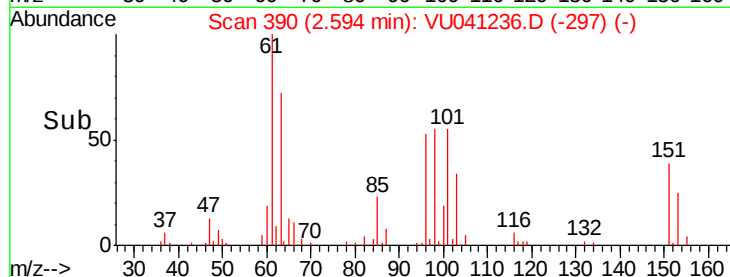
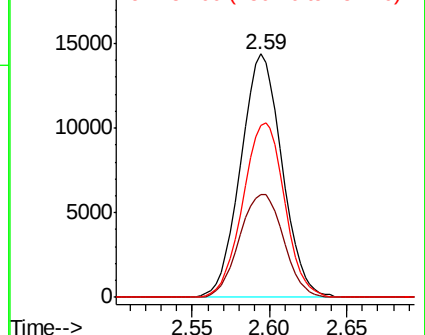
151 72.3 55.3 82.9



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: 4.659 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU041236.D

Acq: 16 Nov 2020 09:24

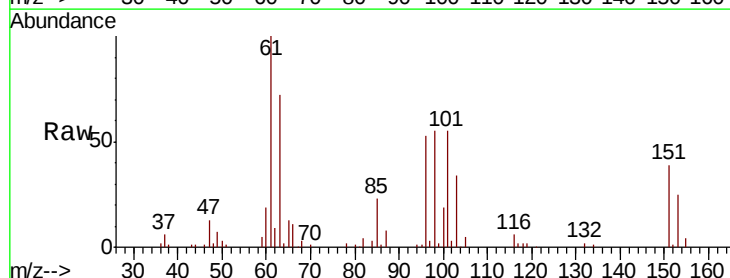
Tgt Ion: 96 Resp: 22704

Ion Ratio Lower Upper

96 100

61 189.0 134.3 249.5

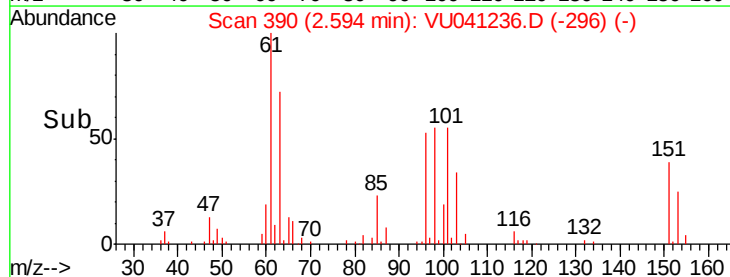
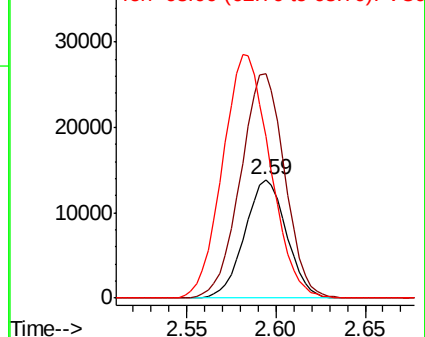
63 136.4 95.0 176.4

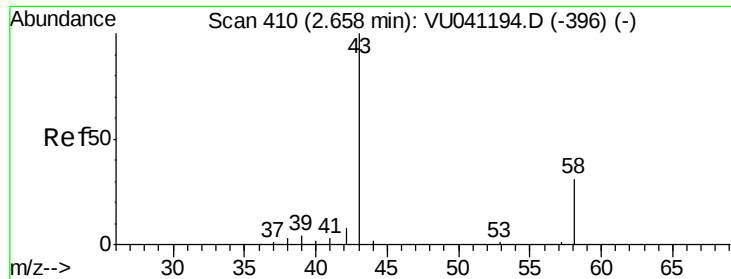


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 53.673 ug/L

RT: 2.66 min Scan# 411

Delta R.T. 0.00 min

Lab File: VU041236.D

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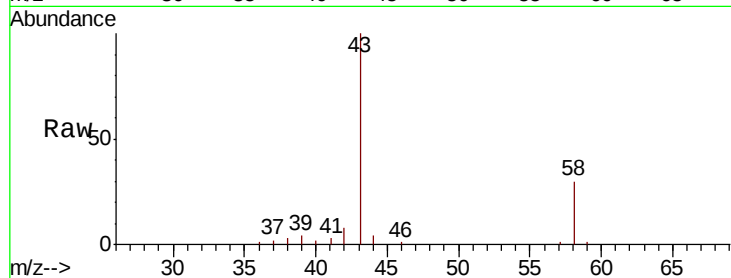
VSTD00504

Tot Ion: 43 Resp: 70032

Ion Ratio Lower Upper

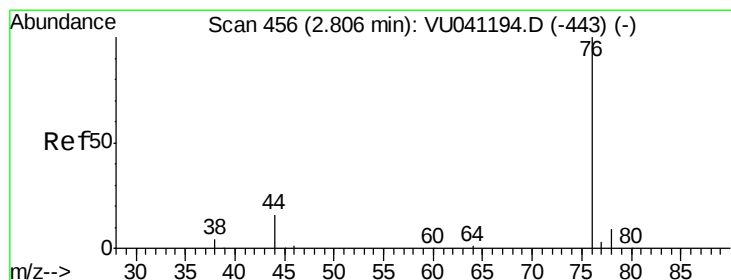
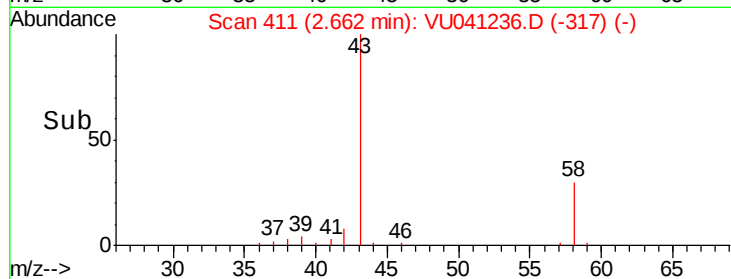
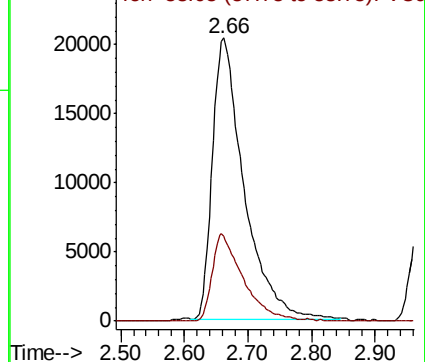
43 100

58 30.4 0.0 25.4#



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0



#14

Carbon disulfide

Concen: 4.108 ug/L

RT: 2.81 min Scan# 456

Delta R.T. 0.00 min

Lab File: VU041236.D

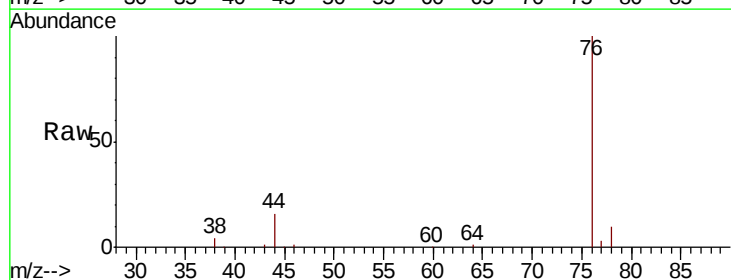
Acq: 16 Nov 2020 09:24

Tgt Ion: 76 Resp: 66890

Ion Ratio Lower Upper

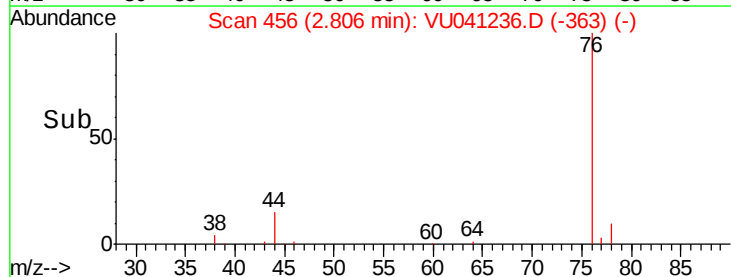
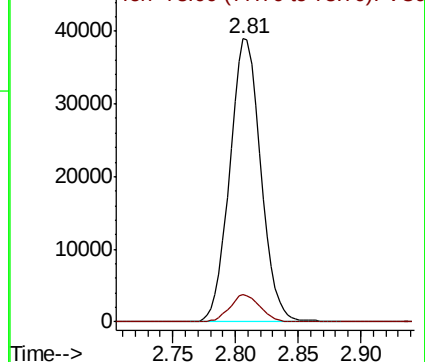
76 100

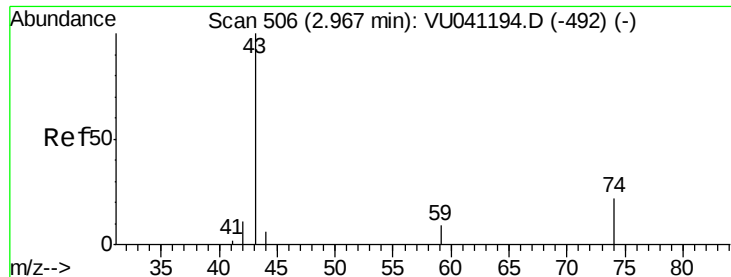
78 9.8 7.5 11.3



Abundance Ion 76.05 (75.75 to 76.75): VU0

Ion 78.00 (77.70 to 78.70): VU0





#15

Methvl Acetate

Concen: 5.197 ug/L

RT: 2.97 min Scan# 507

Delta R.T. 0.00 min

Lab File: VU041236.D

Acq: 16 Nov 2020 09:24

Instrument :

MSVOA_U

ClientSampleId :

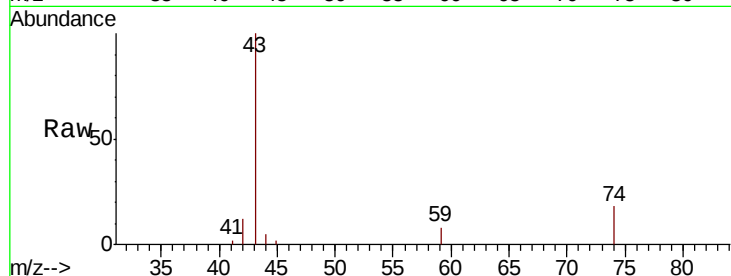
VSTD00504

Tot Ion: 43 Resp: 15515

Ion Ratio Lower Upper

43 100

74 20.0 18.3 27.5



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0

2.97

6000

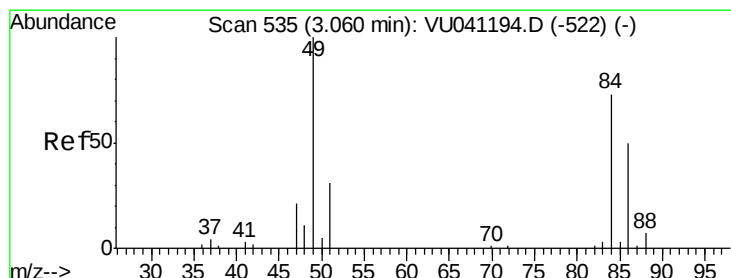
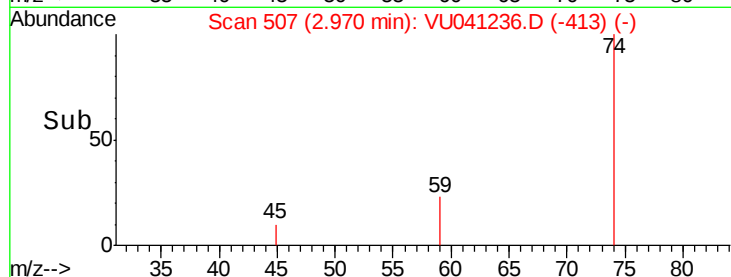
4000

2000

0

2.90 2.95 3.00 3.05

Time-->



#16

Methylene chloride

Concen: 4.870 ug/L

RT: 3.06 min Scan# 535

Delta R.T. 0.00 min

Lab File: VU041236.D

Acq: 16 Nov 2020 09:24

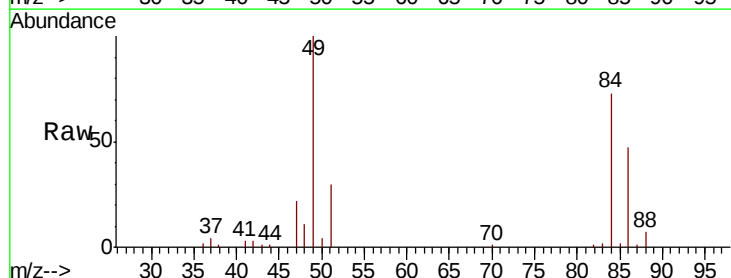
Tgt Ion: 84 Resp: 27652

Ion Ratio Lower Upper

84 100

86 64.6 42.8 79.6

49 137.4 99.5 184.7



Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0

25000

20000

15000

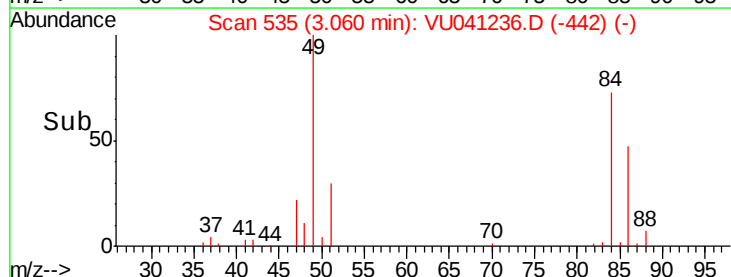
10000

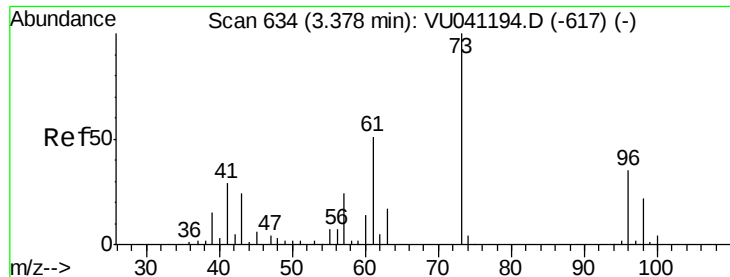
5000

0

3.00 3.05 3.10 3.15

Time-->

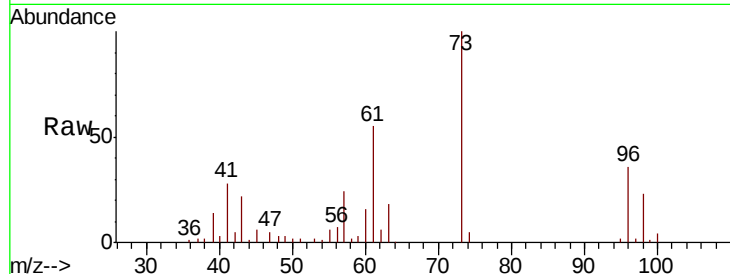




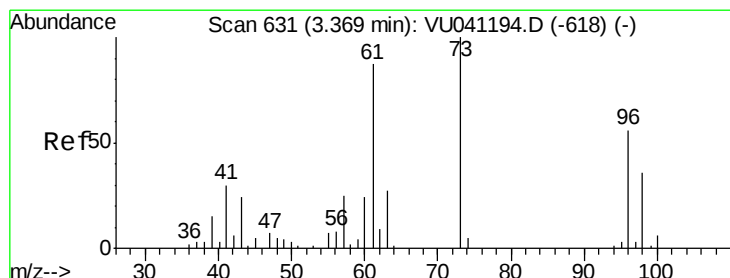
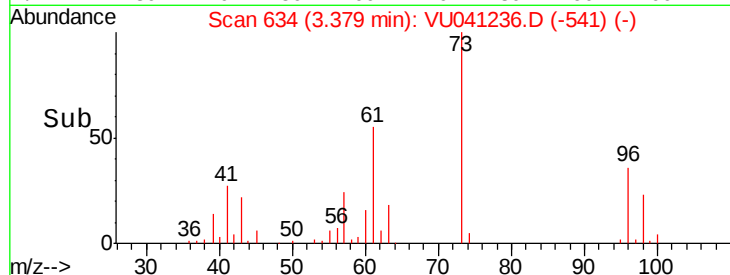
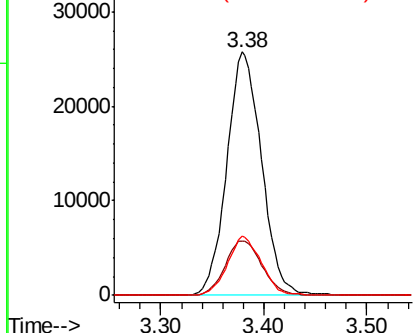
#17
Methvl tert-butvl Ether
Concen: 4.810 ug/L
RT: 3.38 min Scan# 634
Delta R.T. 0.00 min
Lab File: VU041236.D
Acq: 16 Nov 2020 09:24

Instrument :
MSVOA_U
ClientSampleId :
VSTD00504

Tot Ion: 73 Resp: 60321
Ion Ratio Lower Upper
73 100
43 23.7 18.5 27.7
57 23.4 18.4 27.6

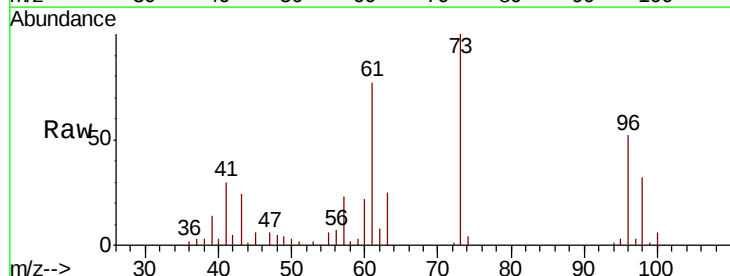


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

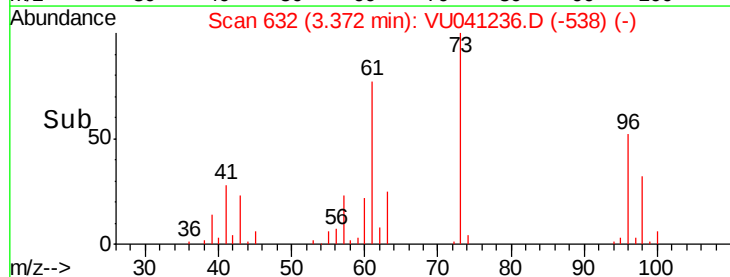
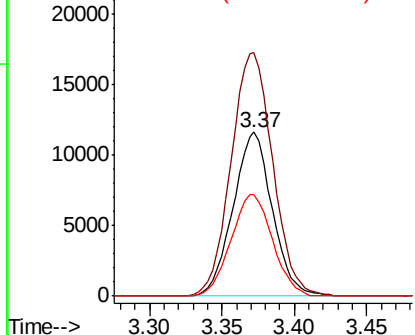


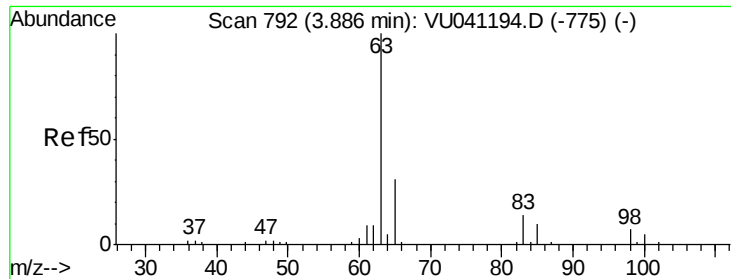
#18
trans-1,2-Dichloroethene
Concen: 4.417 ug/L
RT: 3.37 min Scan# 632
Delta R.T. 0.00 min
Lab File: VU041236.D
Acq: 16 Nov 2020 09:24

Tgt Ion: 96 Resp: 21876
Ion Ratio Lower Upper
96 100
61 148.5 110.9 205.9
98 61.6 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

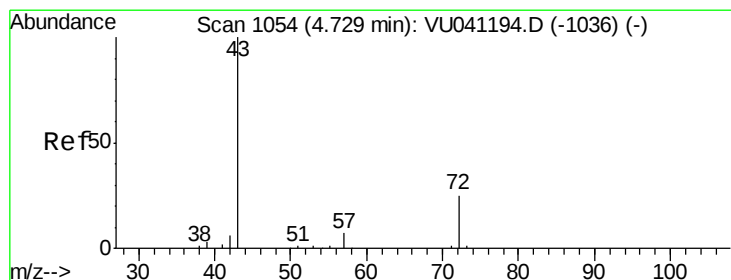
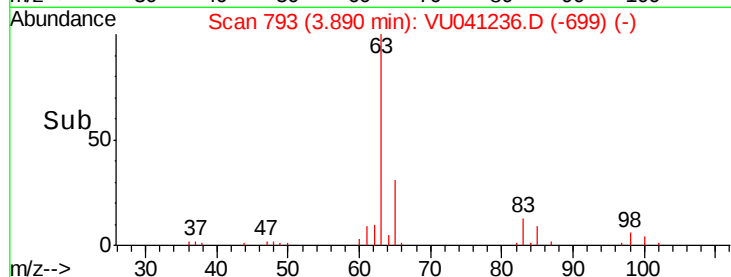
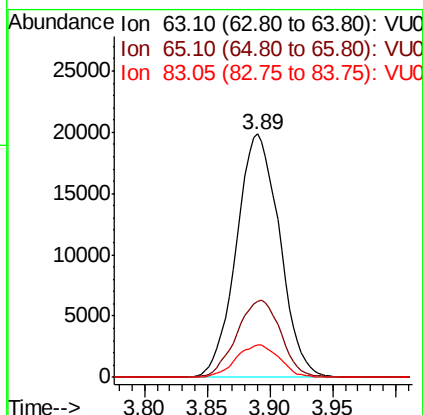
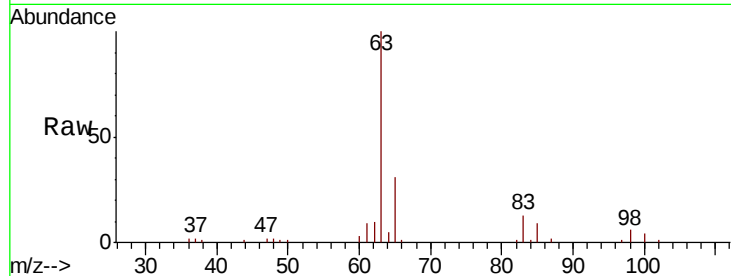




#19
 1,1-Dichloroethane
 Concen: 4.806 ug/L
 RT: 3.89 min Scan# 793
 Delta R.T. 0.00 min
 Lab File: VU041236.D
 Acq: 16 Nov 2020 09:24

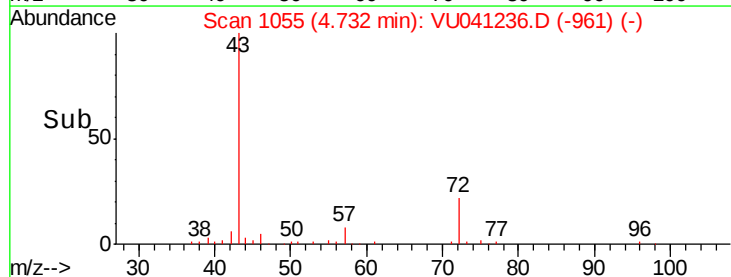
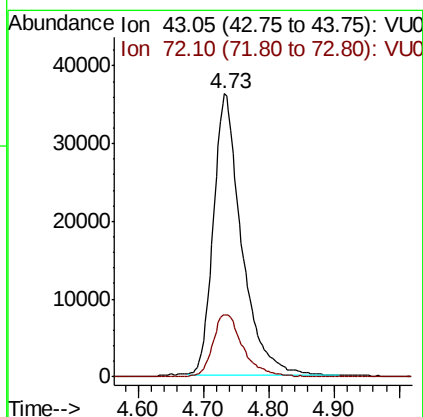
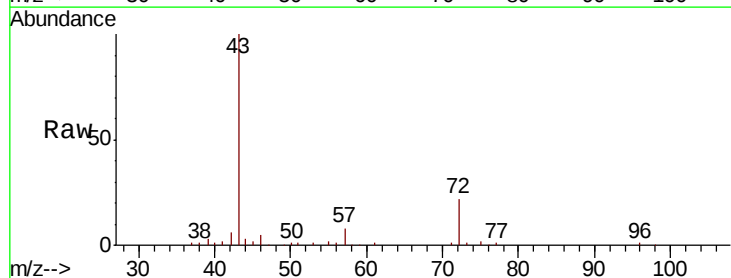
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00504

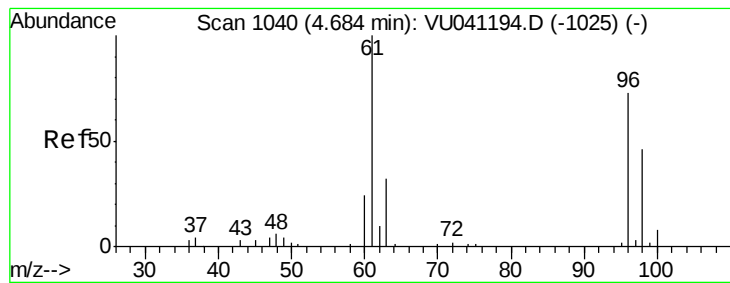
Tot Ion: 63 Resp: 47579
 Ion Ratio Lower Upper
 63 100
 65 31.2 21.3 39.6
 83 13.4 8.8 16.3



#21
 2-Butanone
 Concen: 53.676 ug/L
 RT: 4.73 min Scan# 1055
 Delta R.T. 0.00 min
 Lab File: VU041236.D
 Acq: 16 Nov 2020 09:24

Tgt Ion: 43 Resp: 109461
 Ion Ratio Lower Upper
 43 100
 72 23.7 11.8 35.4





#22

cis-1,2-Dichloroethene

Concen: 5.103 ug/L

RT: 4.68 min Scan# 1040

Delta R.T. 0.00 min

Lab File: VU041236.D

Acq: 16 Nov 2020 09:24

Instrument :

MSVOA_U

ClientSampleId :

VSTD00504

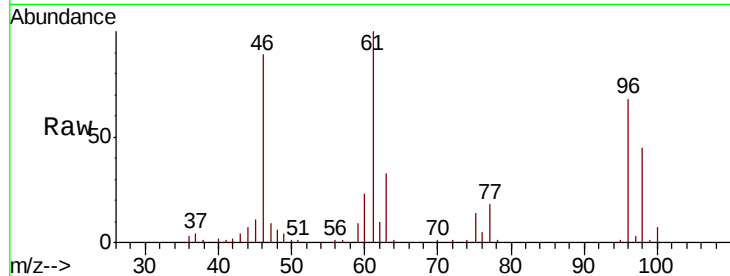
Tot Ion: 96 Resp: 26064

Ion Ratio Lower Upper

96 100

61 147.2 97.2 180.4

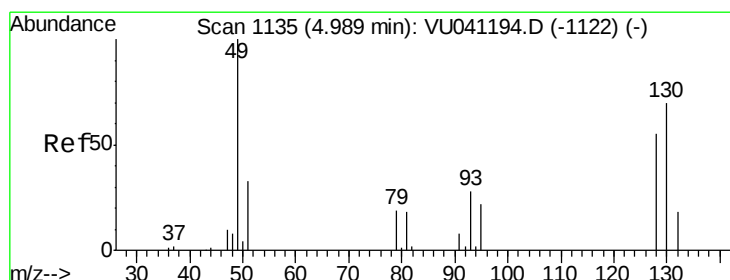
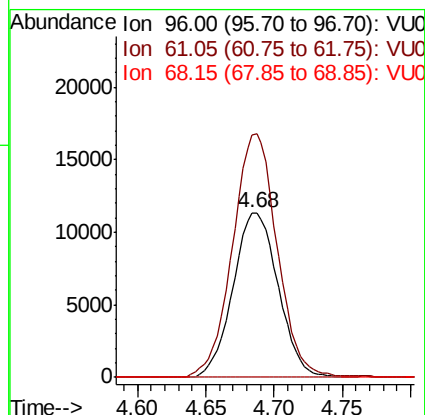
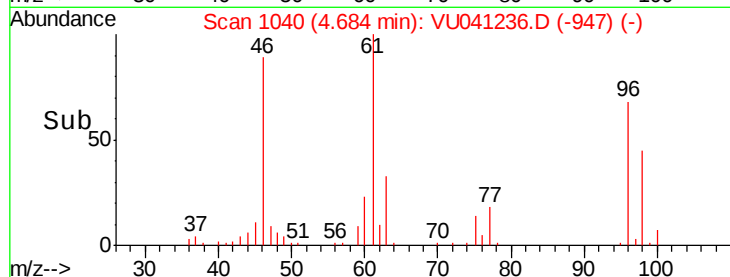
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU041236.D (-947) (-)

Ion 61.05 (60.75 to 61.75): VU041236.D (-947) (-)

Ion 68.15 (67.85 to 68.85): VU041236.D (-947) (-)



#23

Bromochloromethane

Concen: 5.235 ug/L

RT: 4.99 min Scan# 1136

Delta R.T. 0.00 min

Lab File: VU041236.D

Acq: 16 Nov 2020 09:24

Tgt Ion:128 Resp: 12615

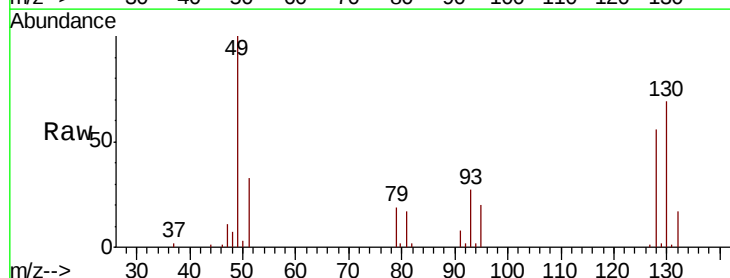
Ion Ratio Lower Upper

128 100

49 179.7 135.0 250.8

130 123.1 89.9 167.0

51 59.3 51.9 77.9

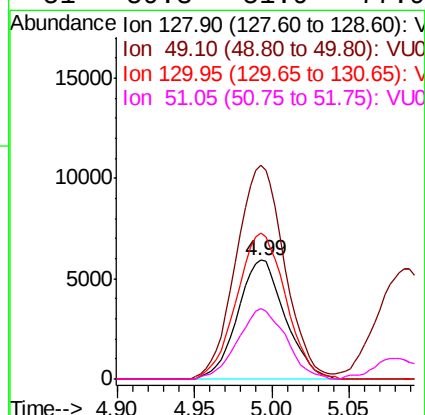
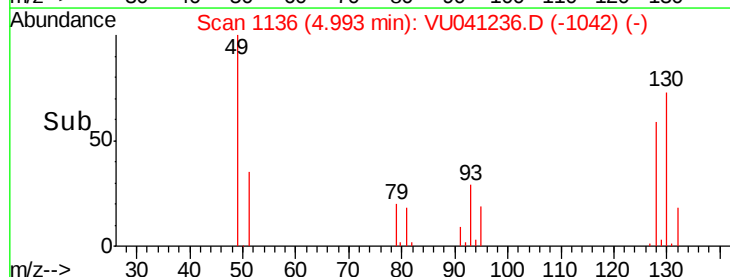


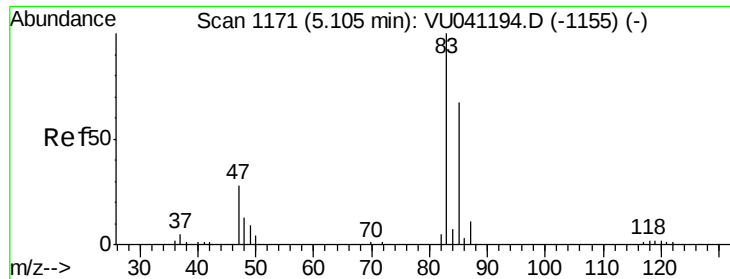
Abundance Ion 127.90 (127.60 to 128.60): VU041236.D (-1042) (-)

Ion 49.10 (48.80 to 49.80): VU041236.D (-1042) (-)

Ion 129.95 (129.65 to 130.65): VU041236.D (-1042) (-)

Ion 51.05 (50.75 to 51.75): VU041236.D (-1042) (-)

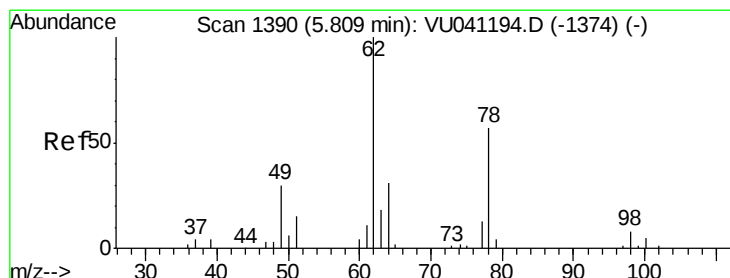
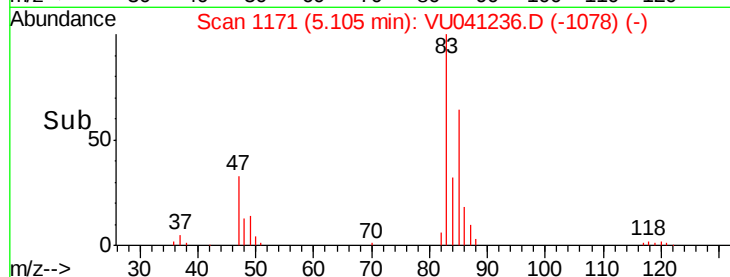
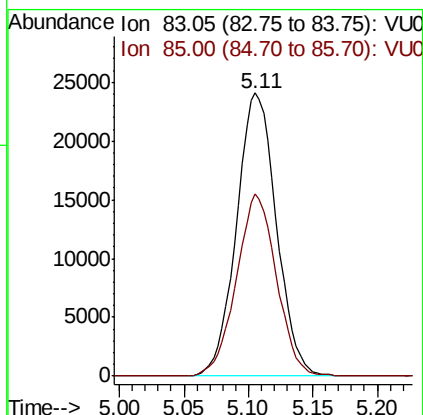
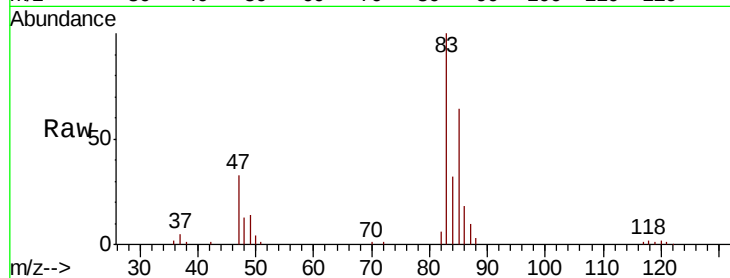




#25
Chloroform
Concen: 5.223 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. 0.00 min
Lab File: VU041236.D
Acq: 16 Nov 2020 09:24

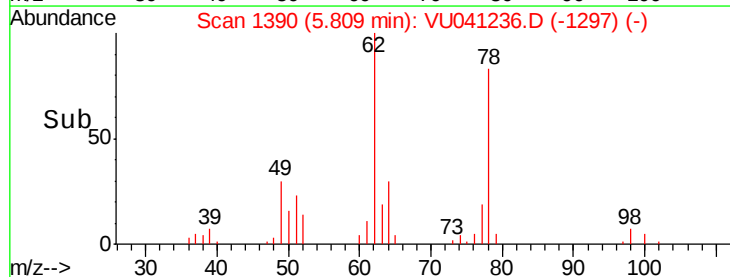
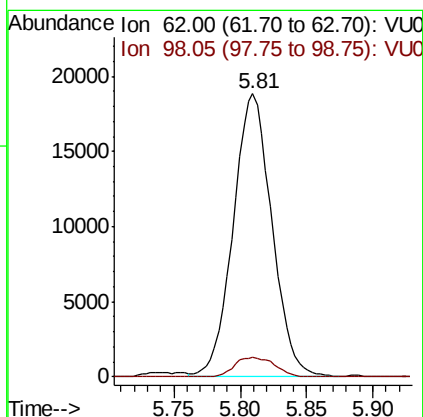
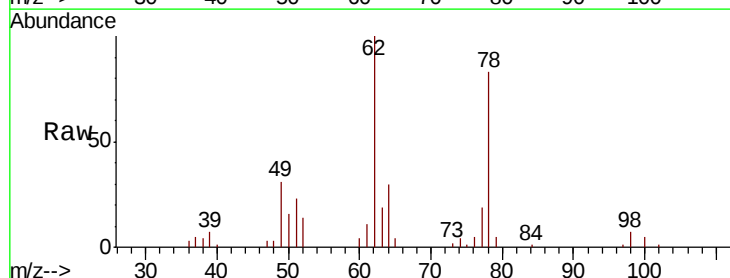
Instrument :
MSVOA_U
ClientSampleId :
VSTD00504

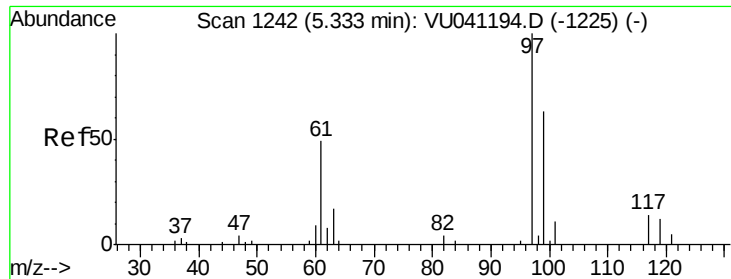
Tot Ion: 83 Resp: 51855
Ion Ratio Lower Upper
83 100
85 64.4 46.1 85.7



#27
1,2-Dichloroethane
Concen: 5.183 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VU041236.D
Acq: 16 Nov 2020 09:24

Tgt Ion: 62 Resp: 38325
Ion Ratio Lower Upper
62 100
98 6.8 7.6 11.4#

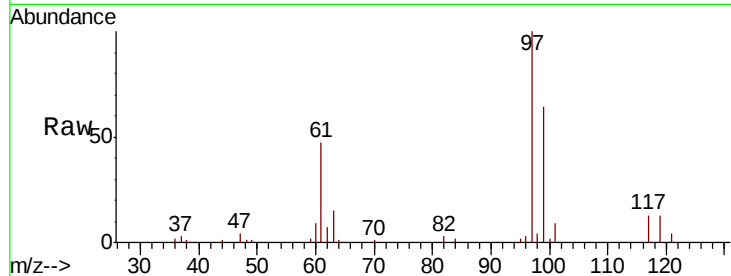




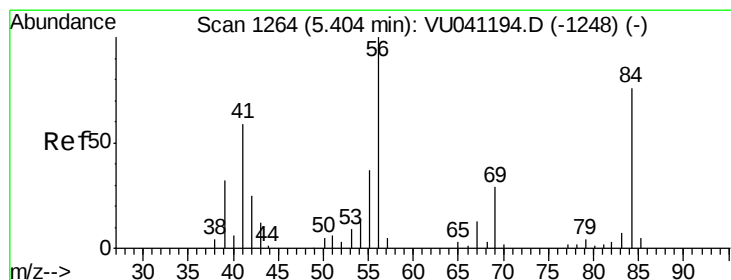
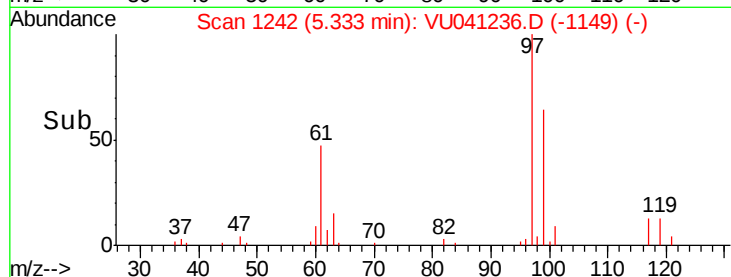
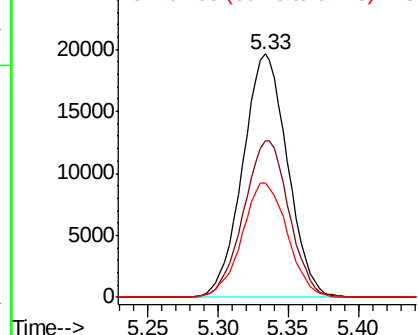
#29
 1,1,1-Trichloroethane
 Concen: 4.810 ug/L
 RT: 5.33 min Scan# 1242
 Delta R.T. 0.00 min
 Lab File: VU041236.D
 Acq: 16 Nov 2020 09:24

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00504

Tot Ion: 97 Resp: 43563
 Ion Ratio Lower Upper
 97 100
 99 65.3 53.4 80.0
 61 47.5 41.6 62.4

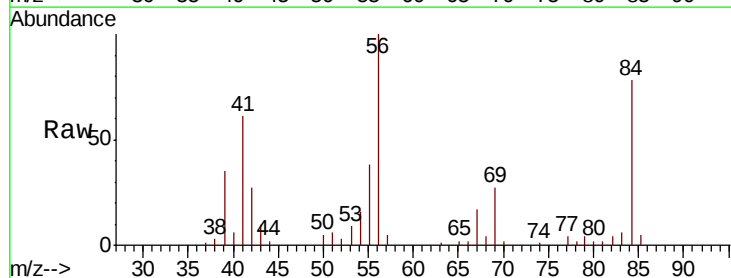


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

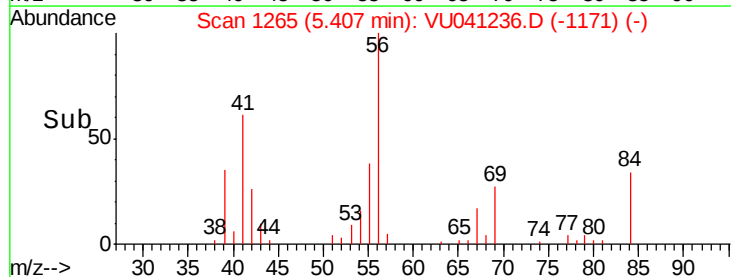
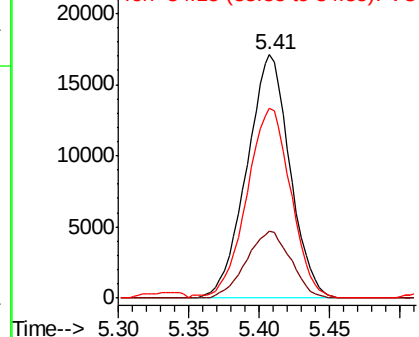


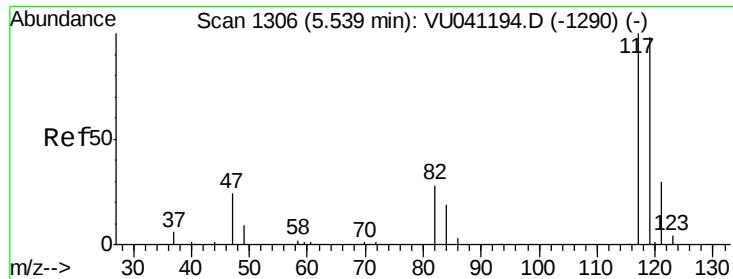
#30
 Cyclohexane
 Concen: 4.096 ug/L
 RT: 5.41 min Scan# 1265
 Delta R.T. 0.00 min
 Lab File: VU041236.D
 Acq: 16 Nov 2020 09:24

Tgt Ion: 56 Resp: 36545
 Ion Ratio Lower Upper
 56 100
 69 28.2 22.8 34.2
 84 79.8 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: 4.938 ug/L

RT: 5.54 min Scan# 1307

Delta R.T. 0.00 min

Lab File: VU041236.D

Acq: 16 Nov 2020 09:24

Instrument :

MSVOA_U

ClientSampleId :

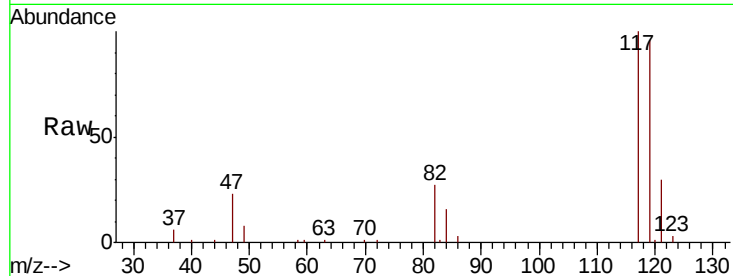
VSTD00504

Tot Ion:117 Resp: 39594

Ion Ratio Lower Upper

117 100

119 94.8 76.1 114.1



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

5.54

20000

15000

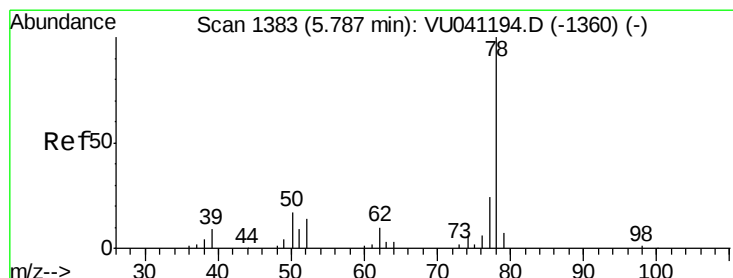
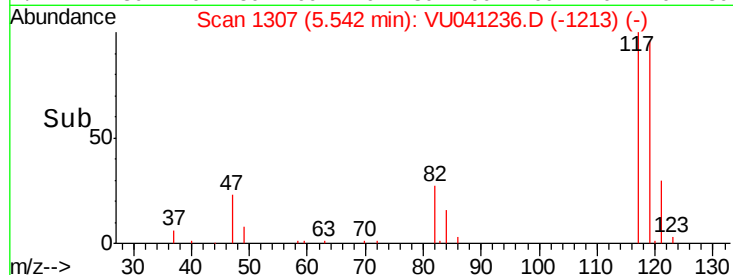
10000

5000

0

Time-->

5.45 5.50 5.55 5.60



#33

Benzene

Concen: 4.499 ug/L

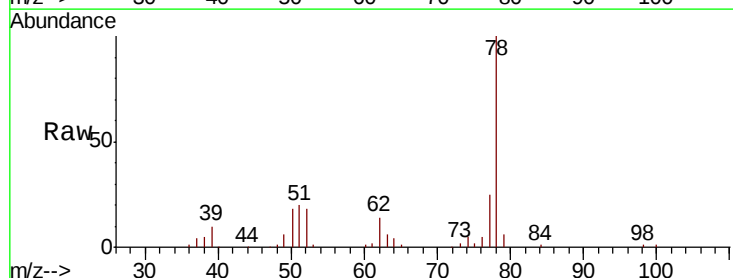
RT: 5.79 min Scan# 1384

Delta R.T. 0.00 min

Lab File: VU041236.D

Acq: 16 Nov 2020 09:24

Tgt Ion: 78 Resp: 99541



Abundance Ion 78.10 (77.80 to 78.80): VU0

5.79

50000

40000

30000

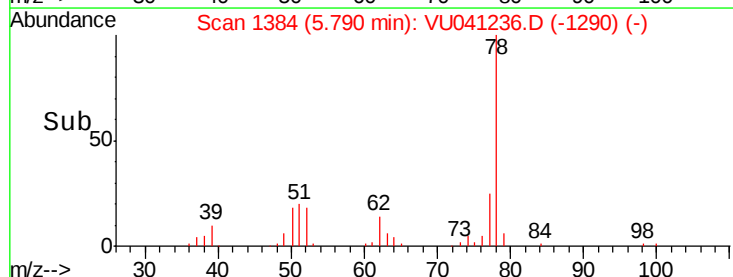
20000

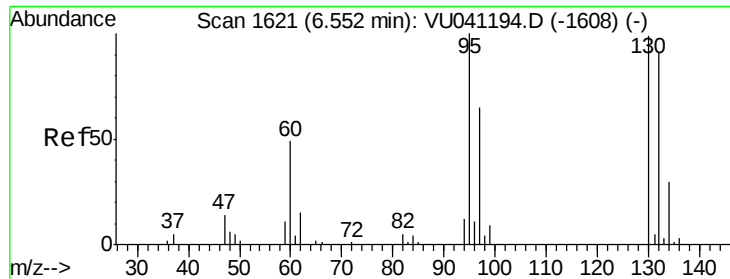
10000

0

Time-->

5.70 5.80 5.90





#34

Trichloroethene

Concen: 4.805 ug/L

RT: 6.55 min Scan# 1621

Delta R.T. 0.00 min

Lab File: VU041236.D

Acq: 16 Nov 2020 09:24

Instrument :

MSVOA_U

ClientSampleId :

VSTD00504

Tot Ion: 95 Resp: 27053

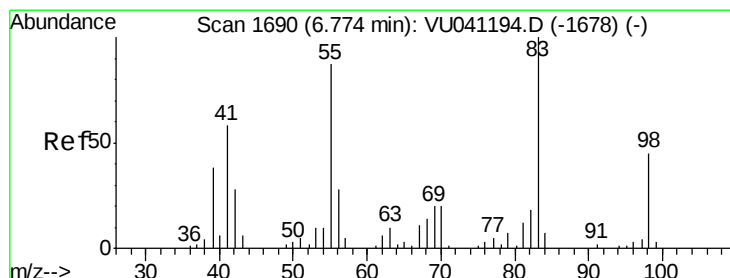
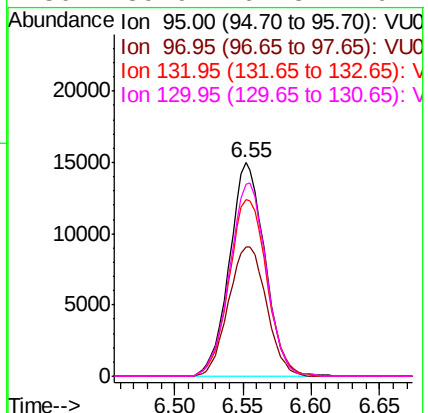
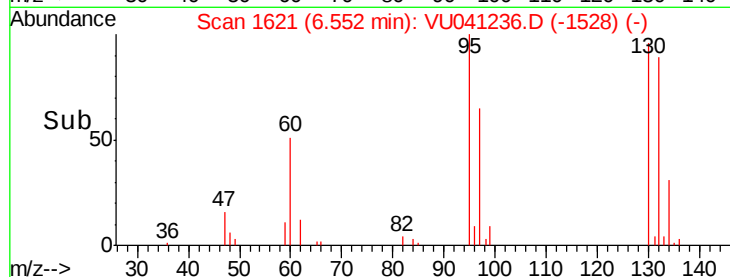
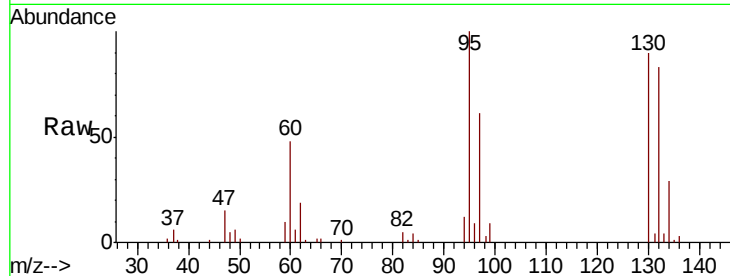
Ion Ratio Lower Upper

95 100

97 60.7 45.6 84.6

132 82.8 64.8 120.4

130 89.9 64.8 120.4



#35

Methylcyclohexane

Concen: 4.187 ug/L

RT: 6.77 min Scan# 1690

Delta R.T. 0.00 min

Lab File: VU041236.D

Acq: 16 Nov 2020 09:24

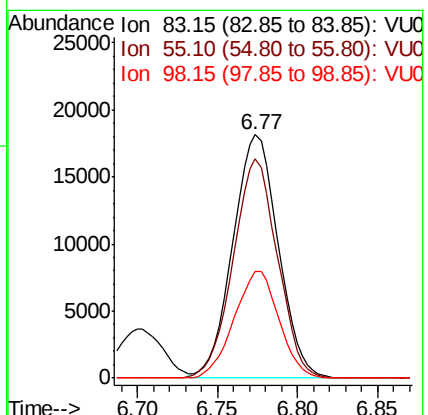
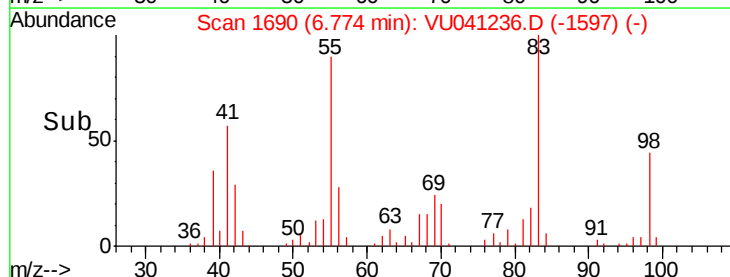
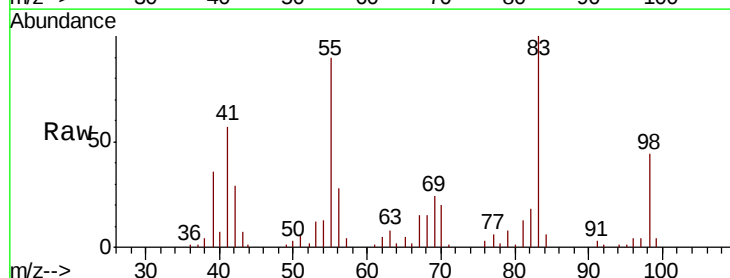
Tgt Ion: 83 Resp: 35166

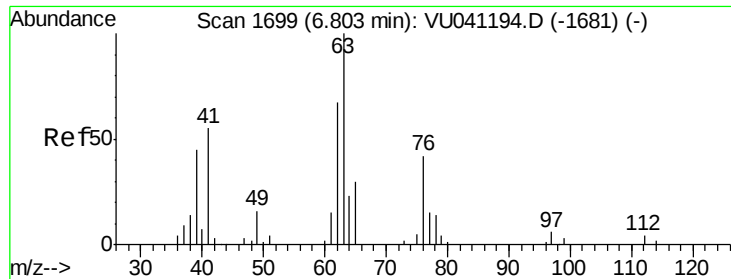
Ion Ratio Lower Upper

83 100

55 87.5 72.0 108.0

98 43.2 36.6 55.0





#37

1,2-Dichloropropane

Concen: 4.974 ug/L

RT: 6.80 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VU041236.D

Acq: 16 Nov 2020 09:24

Instrument :

MSVOA_U

ClientSampleId :

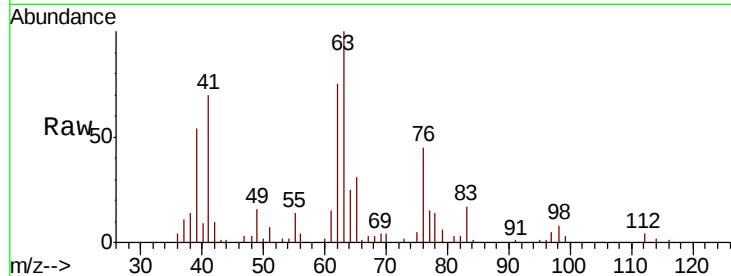
VSTD00504

Tot Ion: 63 Resp: 29779

Ion Ratio Lower Upper

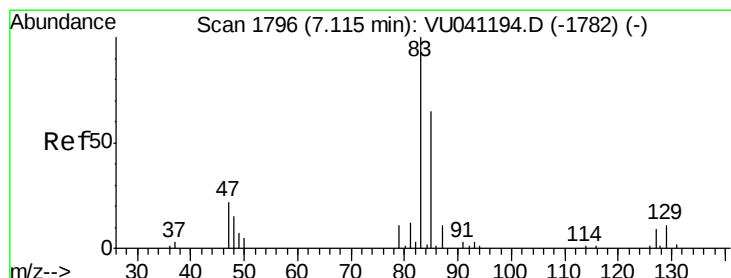
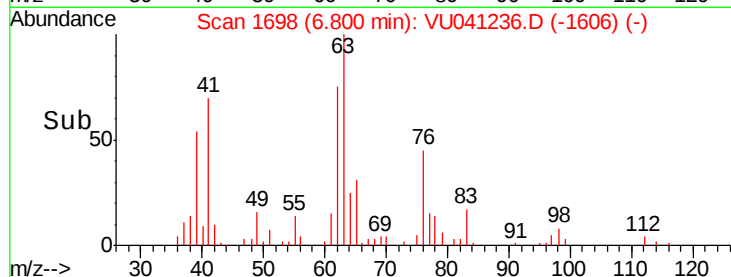
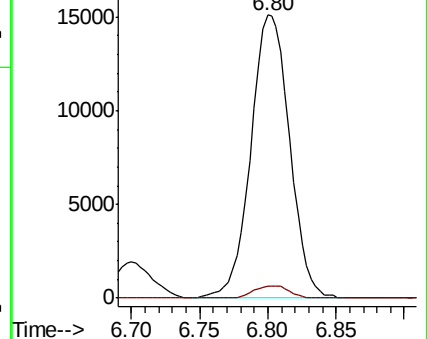
63 100

112 3.9 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: 4.888 ug/L

RT: 7.11 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VU041236.D

Acq: 16 Nov 2020 09:24

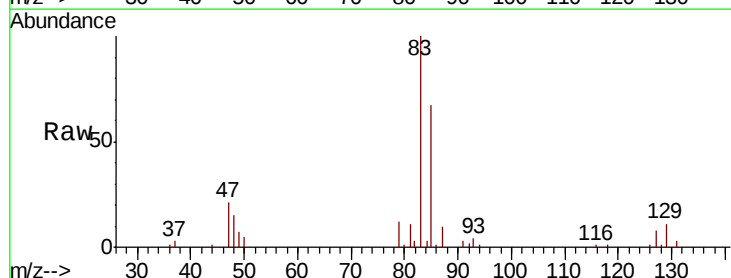
Tgt Ion: 83 Resp: 37957

Ion Ratio Lower Upper

83 100

85 67.2 43.3 80.3

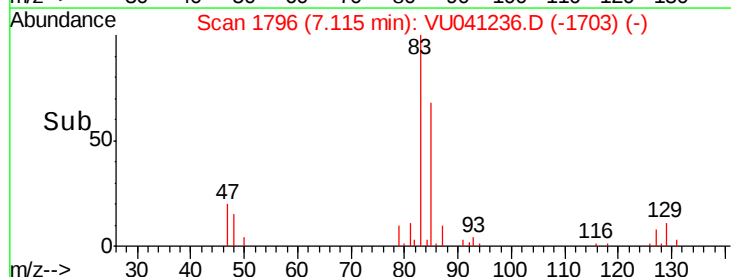
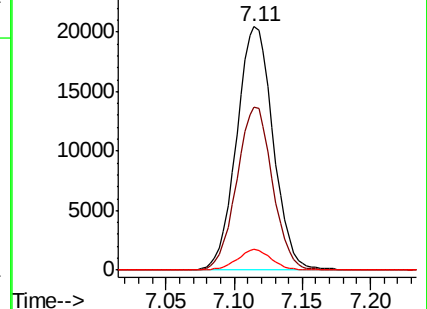
127 8.4 5.9 8.9

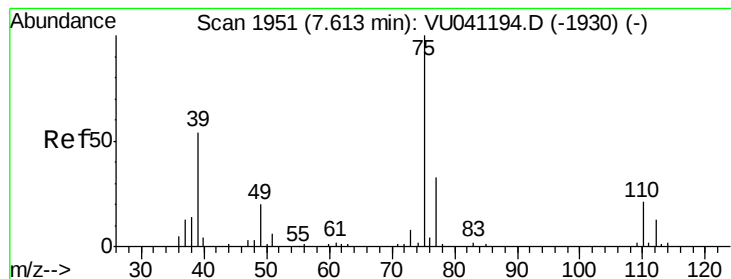


Abundance Ion 82.95 (82.65 to 83.65): VU041194.D (-1782) (-)

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

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



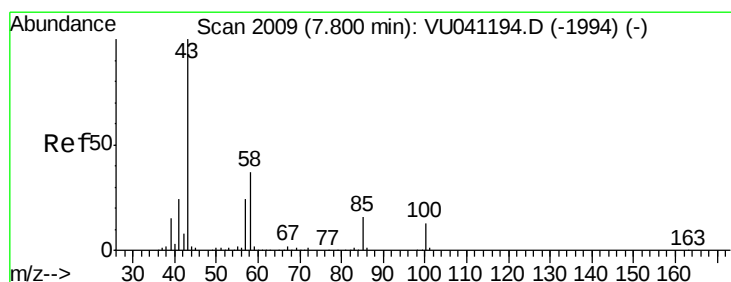
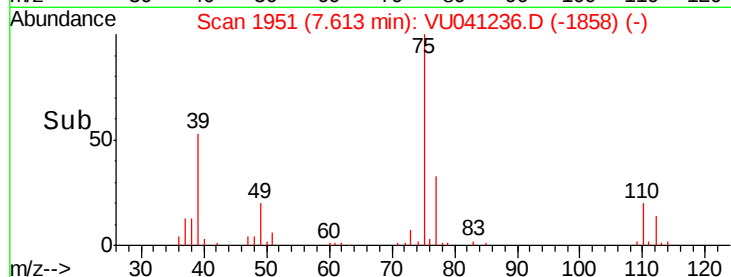
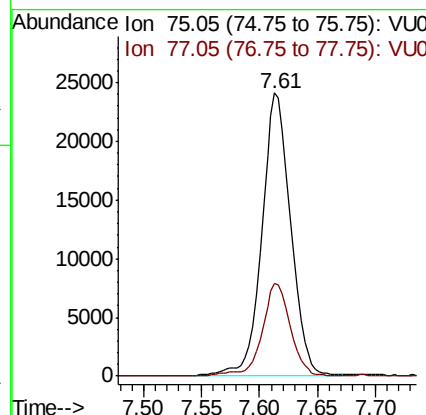
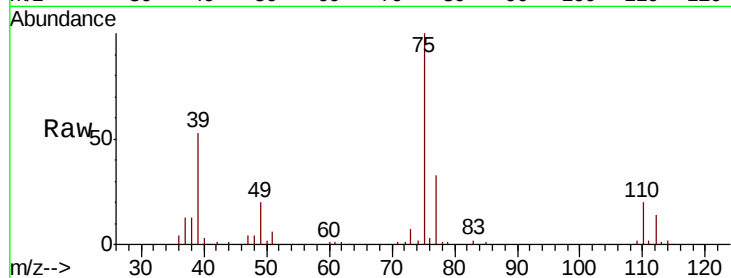


#39

cis-1,3-Dichloropropene
 Concen: 5.078 ug/L
 RT: 7.61 min Scan# 1951
 Delta R.T. 0.00 min
 Lab File: VU041236.D
 Acq: 16 Nov 2020 09:24

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00504

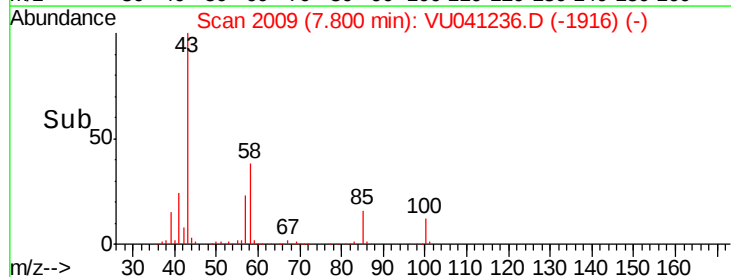
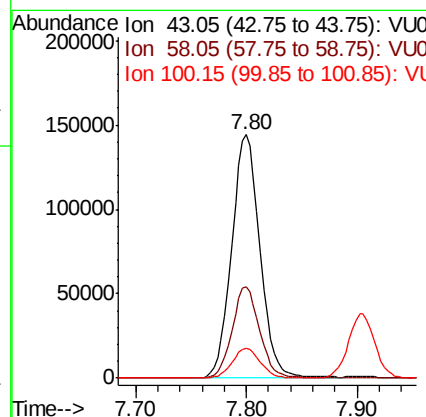
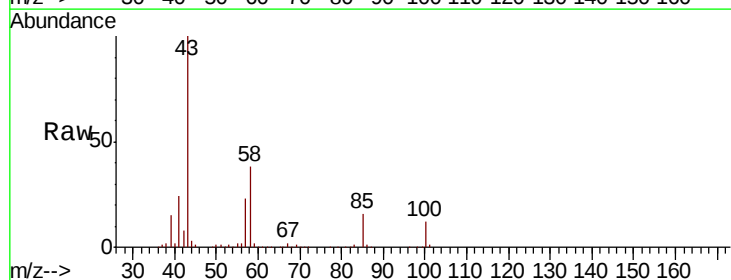
Tot Ion: 75 Resp: 41857
 Ion Ratio Lower Upper
 75 100
 77 32.7 22.7 42.3

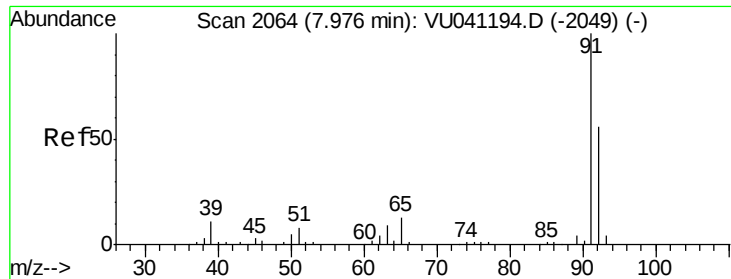


#40

4-Methyl-2-pentanone
 Concen: 53.774 ug/L
 RT: 7.80 min Scan# 2009
 Delta R.T. 0.00 min
 Lab File: VU041236.D
 Acq: 16 Nov 2020 09:24

Tgt Ion: 43 Resp: 256679
 Ion Ratio Lower Upper
 43 100
 58 36.2 29.8 44.6
 100 12.1 10.5 15.7





#42

Toluene

Concen: 5.064 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU041236.D

Acq: 16 Nov 2020 09:24

Instrument :

MSVOA_U

ClientSampleId :

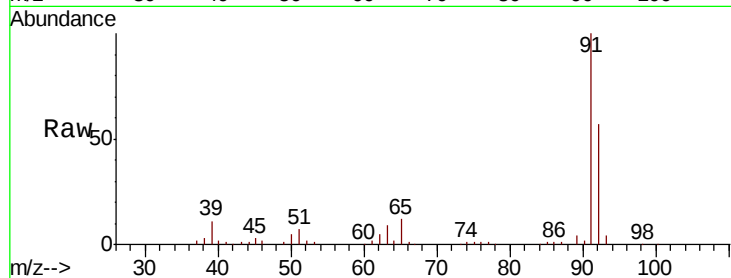
VSTD00504

Tot Ion: 91 Resp: 113601

Ion Ratio Lower Upper

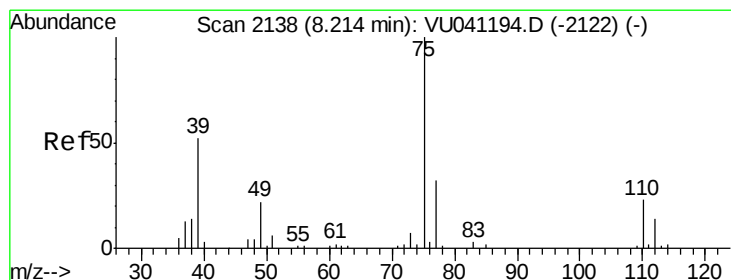
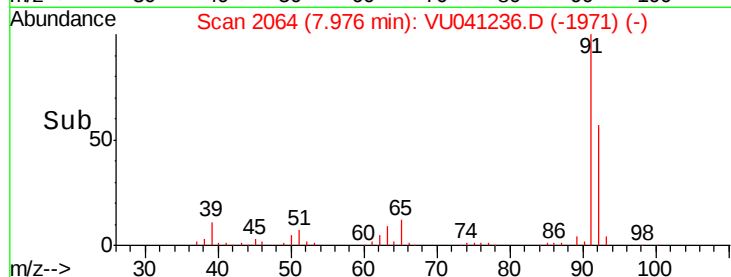
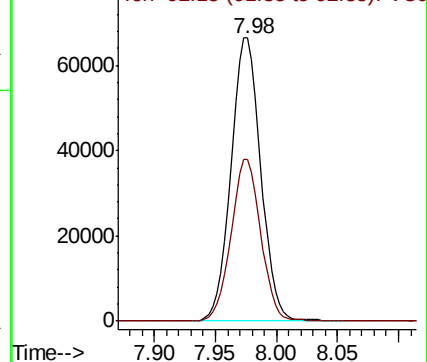
91 100

92 57.2 40.6 75.4



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0



#44

trans-1,3-Dichloropropene

Concen: 5.304 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. 0.00 min

Lab File: VU041236.D

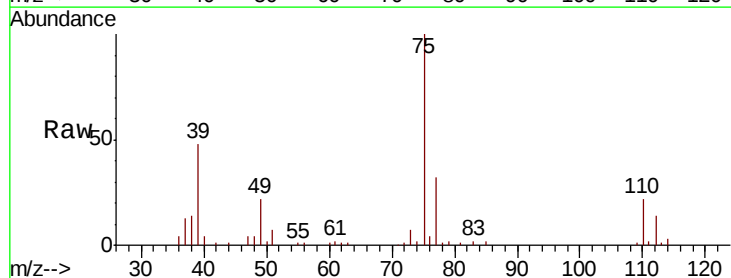
Acq: 16 Nov 2020 09:24

Tgt Ion: 75 Resp: 40916

Ion Ratio Lower Upper

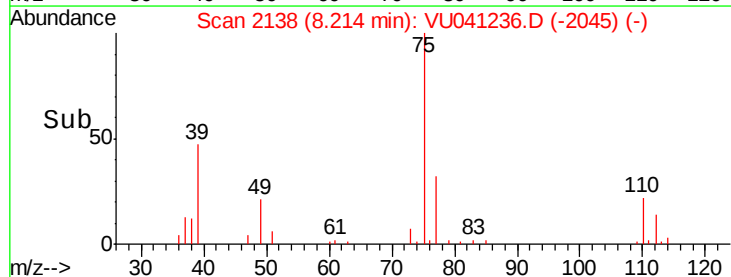
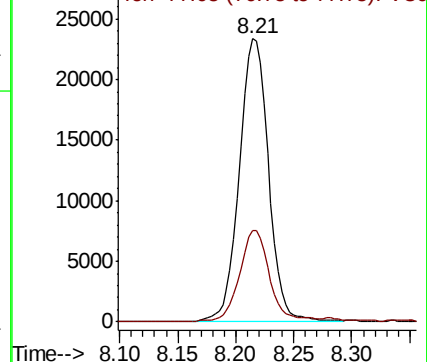
75 100

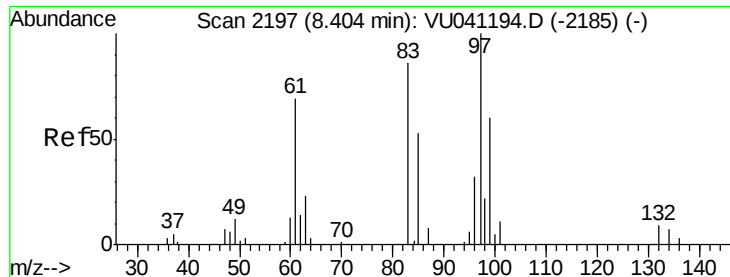
77 32.3 23.3 43.3



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

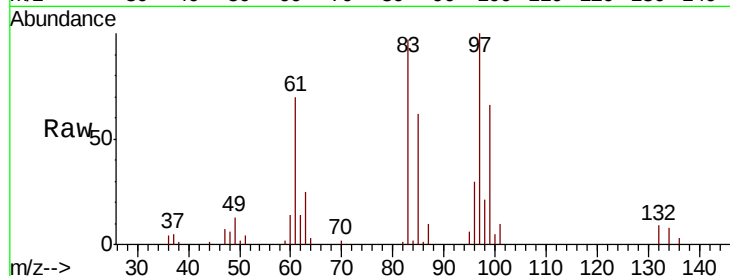




#45
1,1,2-Trichloroethane
Concen: 5.162 ug/L
RT: 8.40 min Scan# 2197
Delta R.T. 0.00 min
Lab File: VU041236.D
Acq: 16 Nov 2020 09:24

Instrument :
MSVOA_U
ClientSampleId :
VSTD00504

Tot Ion:	97	Resp:	23004
Ion	Ratio	Lower	Upper
97	100		
99	65.6	45.8	85.2
83	97.0	67.9	126.1
85	61.7	42.8	79.6



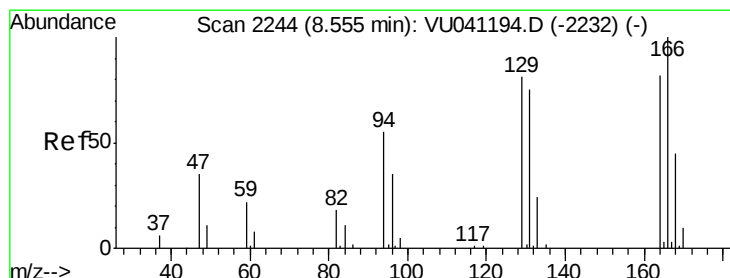
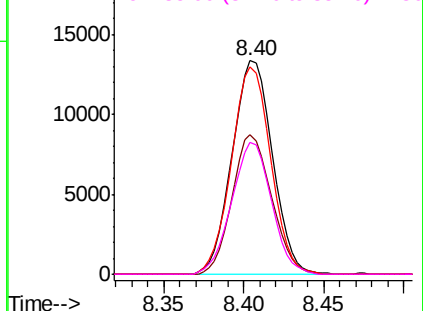
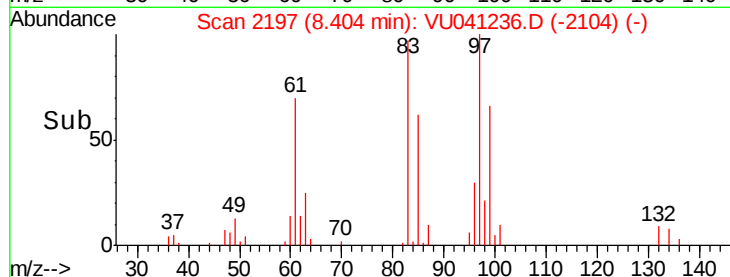
Abundance

Ion 96.95 (96.65 to 97.65): VU041236.D (-2104) (-)

Ion 99.05 (98.75 to 99.75): VU041236.D (-2104) (-)

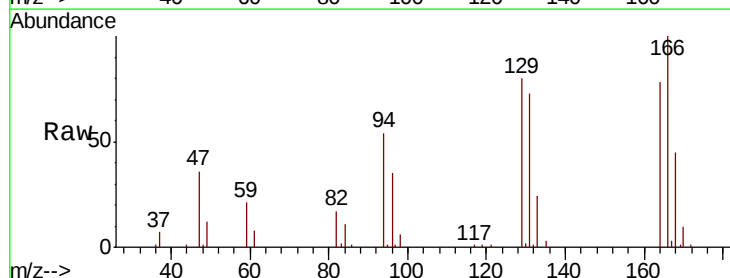
Ion 82.95 (82.65 to 83.65): VU041236.D (-2104) (-)

Ion 85.00 (84.70 to 85.70): VU041236.D (-2104) (-)



#47
Tetrachloroethene
Concen: 4.977 ug/L
RT: 8.56 min Scan# 2244
Delta R.T. 0.00 min
Lab File: VU041236.D
Acq: 16 Nov 2020 09:24

Tgt Ion:	164	Resp:	20607
Ion	Ratio	Lower	Upper
164	100		
129	103.2	70.3	130.7
131	94.3	70.8	131.4
166	128.7	92.0	170.8



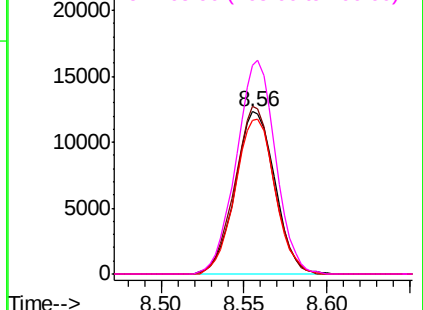
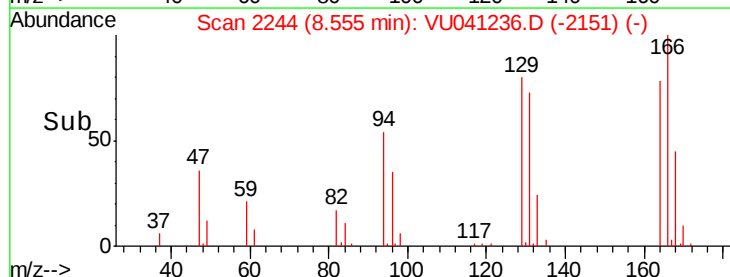
Abundance

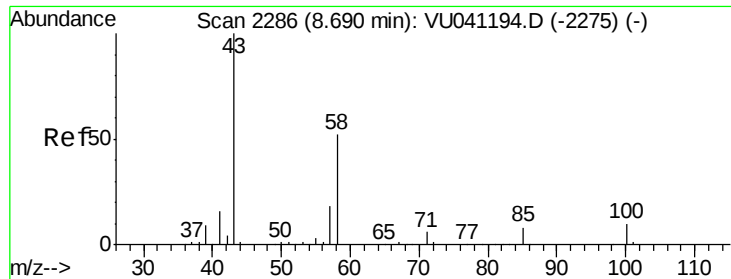
Ion 163.90 (163.60 to 164.60): VU041236.D (-2151) (-)

Ion 128.95 (128.65 to 129.65): VU041236.D (-2151) (-)

Ion 130.95 (130.65 to 131.65): VU041236.D (-2151) (-)

Ion 165.90 (165.60 to 166.60): VU041236.D (-2151) (-)

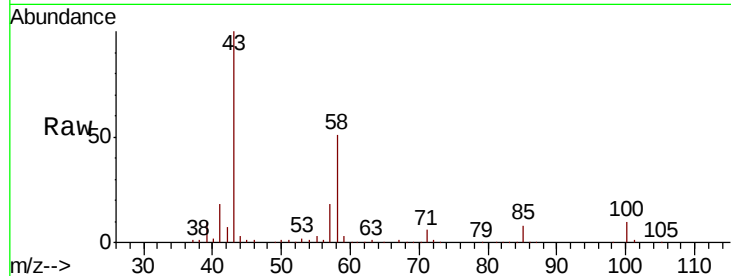




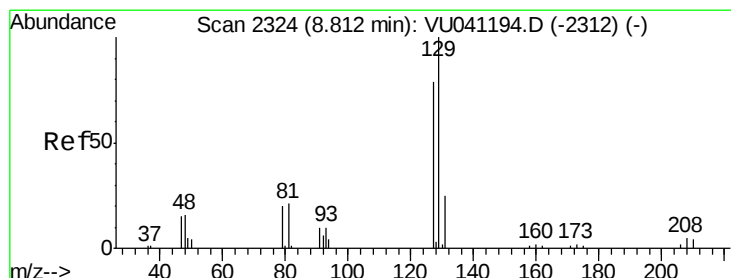
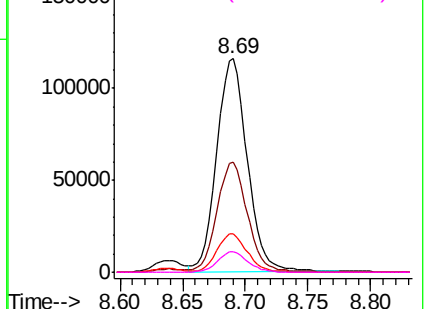
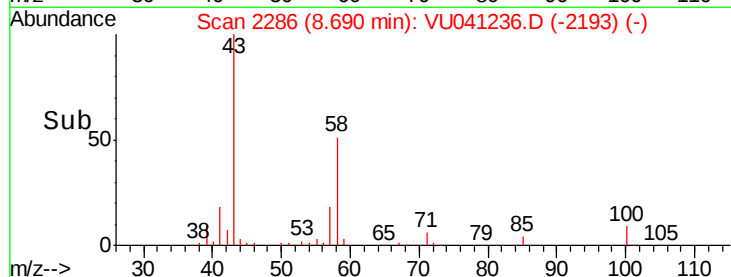
#48
2-Hexanone
Concen: 54.622 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. 0.00 min
Lab File: VU041236.D
Acq: 16 Nov 2020 09:24

Instrument :
MSVOA_U
ClientSampleId :
VSTD00504

Tot Ion: 43 Resp: 196320
Ion Ratio Lower Upper
43 100
58 51.3 41.4 62.2
57 17.6 14.6 21.8
100 9.6 8.3 12.5

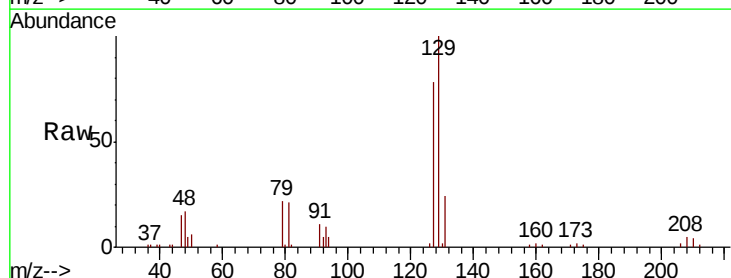


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

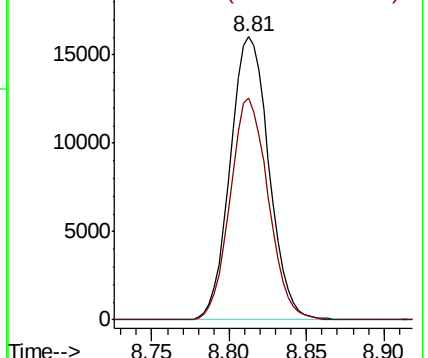
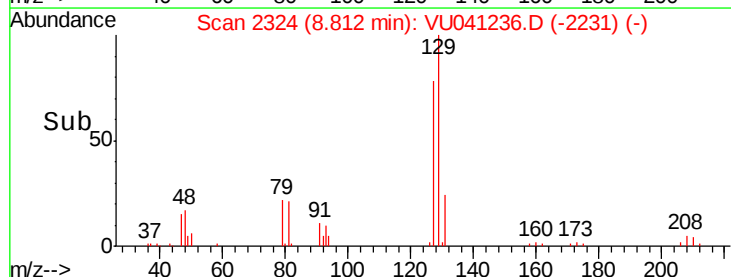


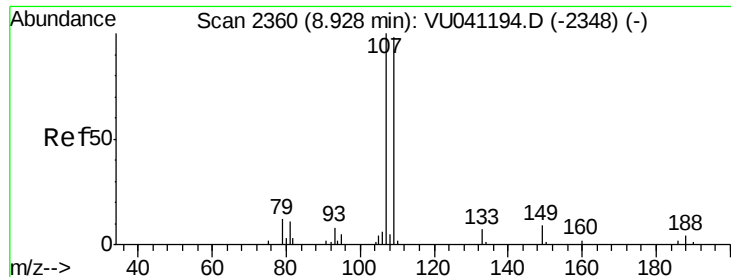
#49
Dibromochloromethane
Concen: 5.375 ug/L
RT: 8.81 min Scan# 2324
Delta R.T. 0.00 min
Lab File: VU041236.D
Acq: 16 Nov 2020 09:24

Tgt Ion: 129 Resp: 27818
Ion Ratio Lower Upper
129 100
127 78.4 53.4 99.2



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V

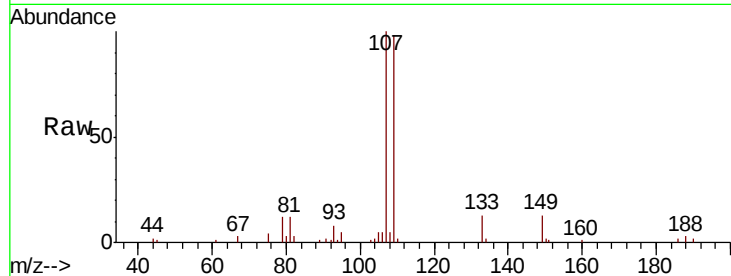




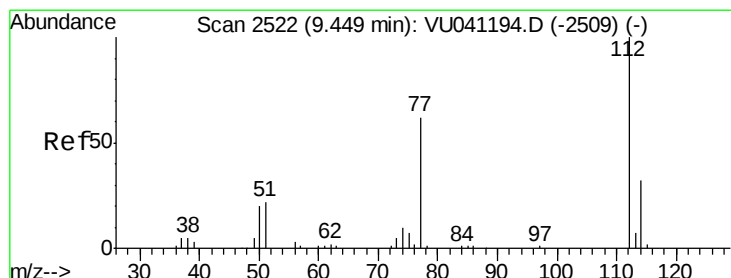
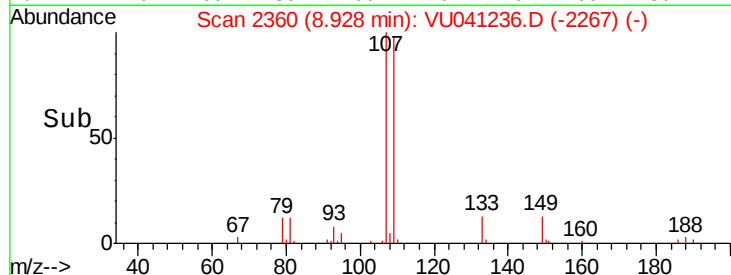
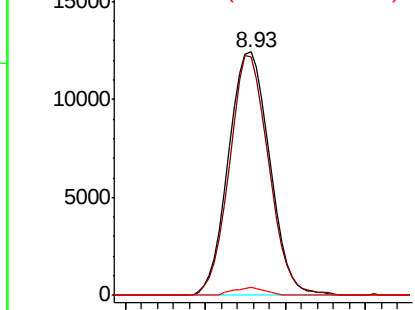
#50
1,2-Dibromoethane
Concen: 5.129 ug/L
RT: 8.93 min Scan# 2360
Delta R.T. 0.00 min
Lab File: VU041236.D
Acq: 16 Nov 2020 09:24

Instrument :
MSVOA_U
ClientSampleId :
VSTD00504

Tot Ion:107 Resp: 21780
Ion Ratio Lower Upper
107 100
109 98.0 65.6 121.8
188 3.2 2.9 4.3

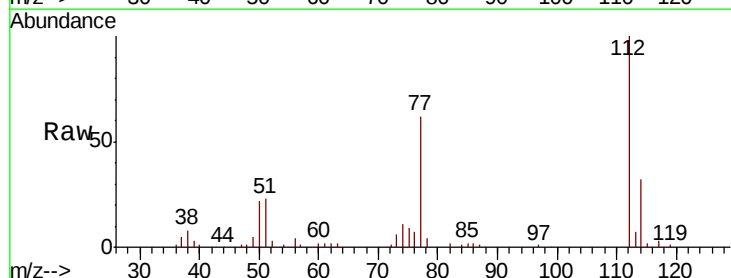


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

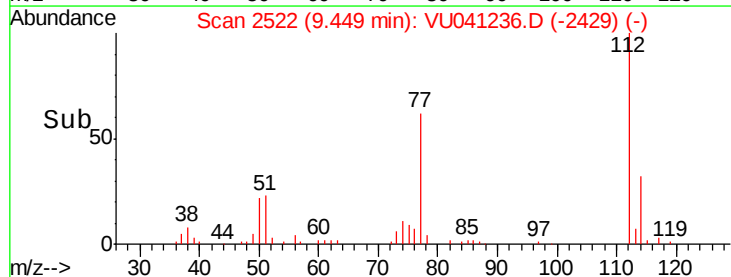
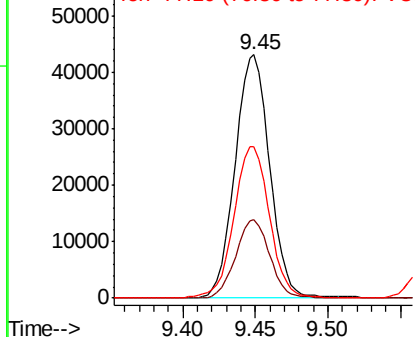


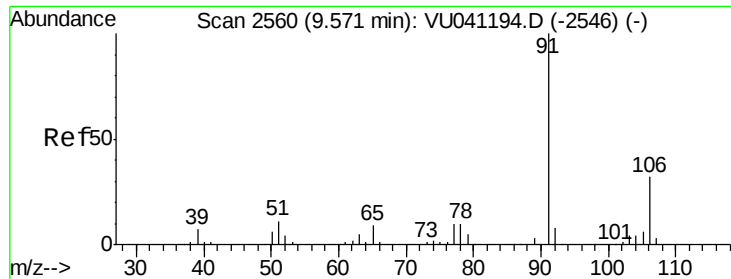
#51
Chlorobenzene
Concen: 5.015 ug/L
RT: 9.45 min Scan# 2522
Delta R.T. 0.00 min
Lab File: VU041236.D
Acq: 16 Nov 2020 09:24

Tgt Ion:112 Resp: 71349
Ion Ratio Lower Upper
112 100
114 32.2 22.4 41.6
77 62.3 51.2 76.8



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V

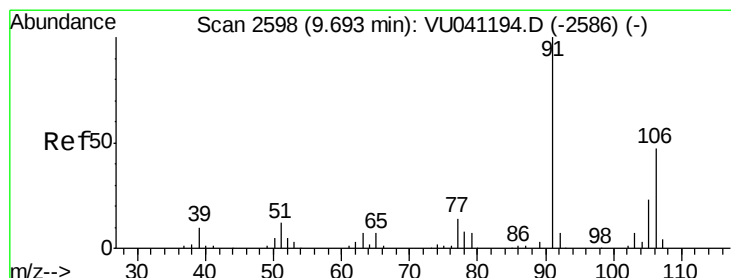
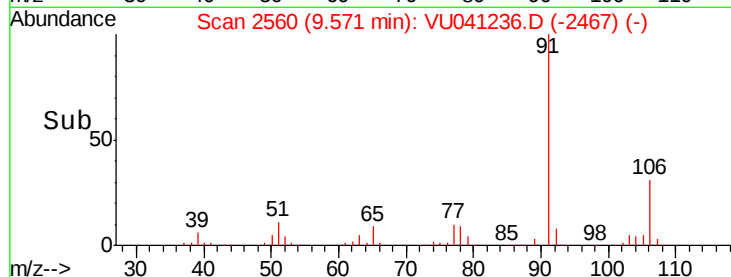
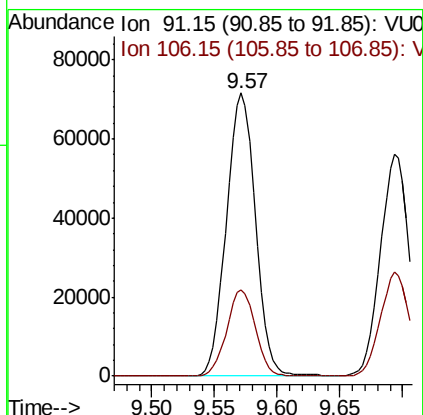
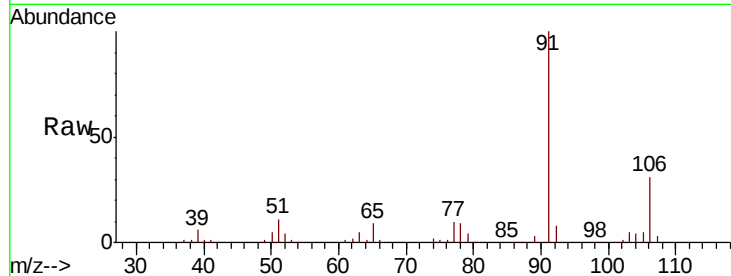




#52
Ethylbenzene
Concen: 4.889 ug/L
RT: 9.57 min Scan# 2560
Delta R.T. 0.00 min
Lab File: VU041236.D
Acq: 16 Nov 2020 09:24

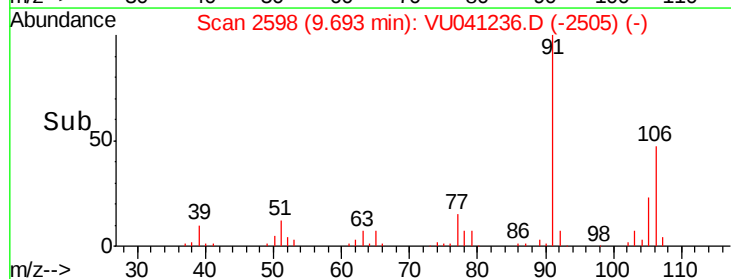
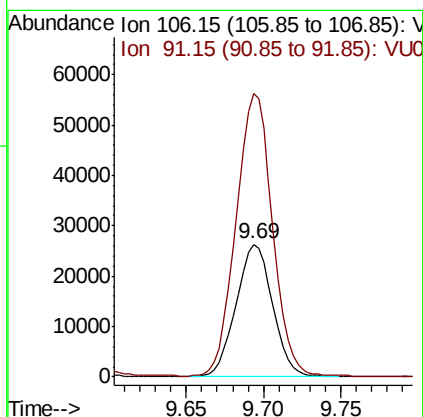
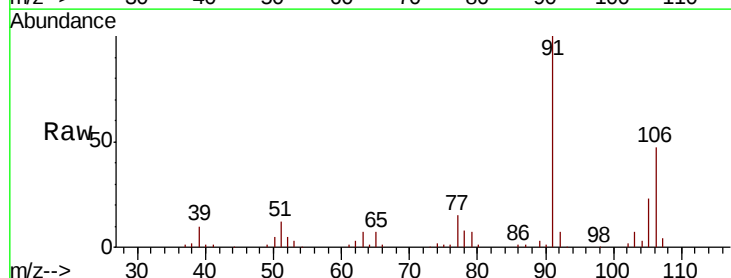
Instrument :
MSVOA_U
ClientSampleId :
VSTD00504

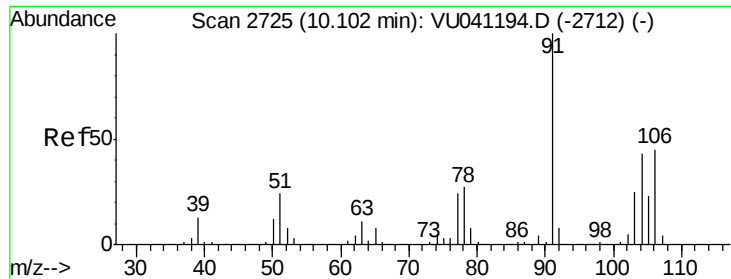
Tot Ion: 91 Resp: 115460
Ion Ratio Lower Upper
91 100
106 30.6 21.0 39.0



#53
m,p-Xylene
Concen: 5.030 ug/L
RT: 9.69 min Scan# 2598
Delta R.T. 0.00 min
Lab File: VU041236.D
Acq: 16 Nov 2020 09:24

Tgt Ion: 106 Resp: 43320
Ion Ratio Lower Upper
106 100
91 213.3 150.9 280.3

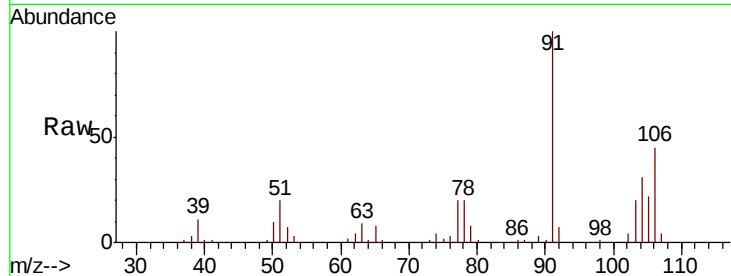




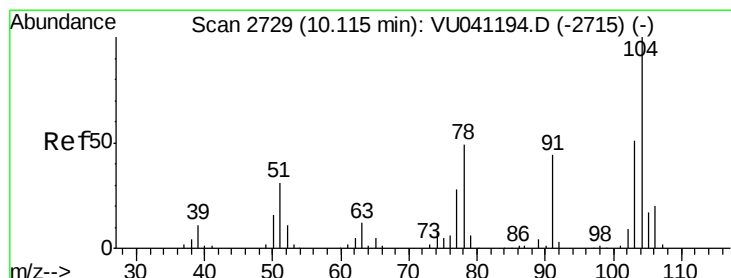
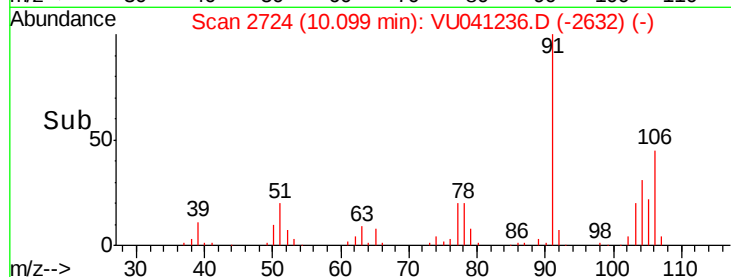
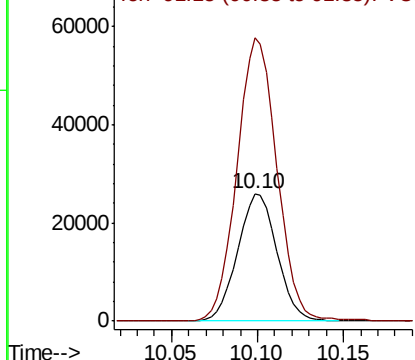
#54
o-Xylene
Concen: 5.128 ug/L
RT: 10.10 min Scan# 2724
Delta R.T. -0.00 min
Lab File: VU041236.D
Acq: 16 Nov 2020 09:24

Instrument :
MSVOA_U
ClientSampleId :
VSTD00504

Tot Ion:106 Resp: 41133
Ion Ratio Lower Upper
106 100
91 222.2 154.3 286.5

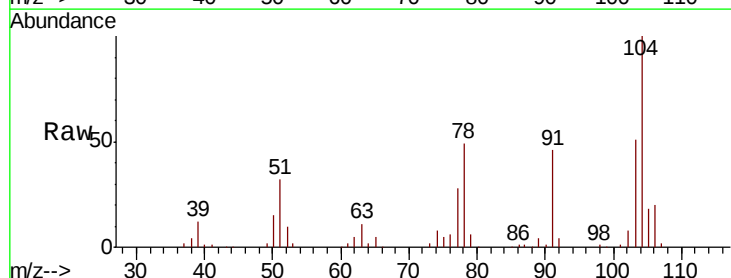


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

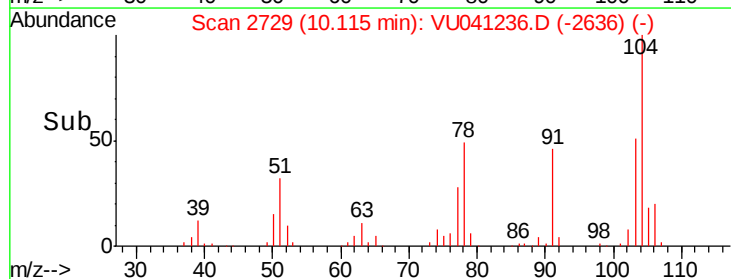
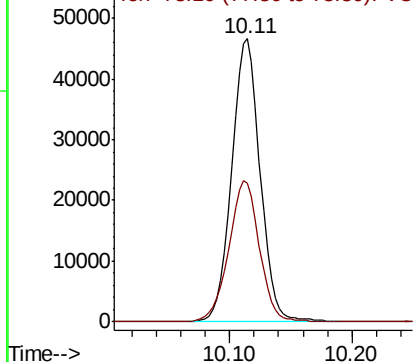


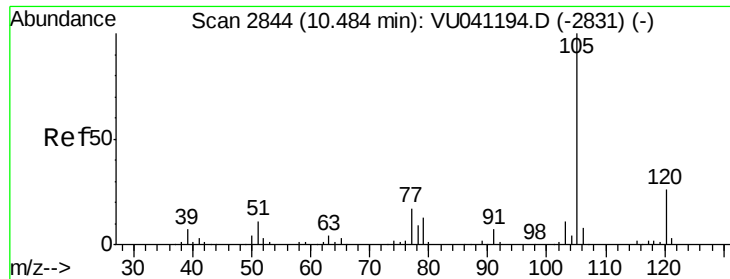
#55
Styrene
Concen: 5.279 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. 0.00 min
Lab File: VU041236.D
Acq: 16 Nov 2020 09:24

Tgt Ion:104 Resp: 75447
Ion Ratio Lower Upper
104 100
78 48.8 35.5 65.9



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 4.925 ug/L

RT: 10.48 min Scan# 2843

Delta R.T. -0.00 min

Lab File: VU041236.D

Acq: 16 Nov 2020 09:24

Instrument :

MSVOA_U

ClientSampleId :

VSTD00504

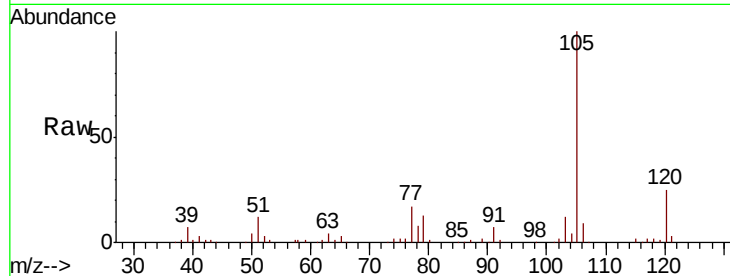
Tot Ion:105 Resp: 106220

Ion Ratio Lower Upper

105 100

120 24.9 20.7 31.1

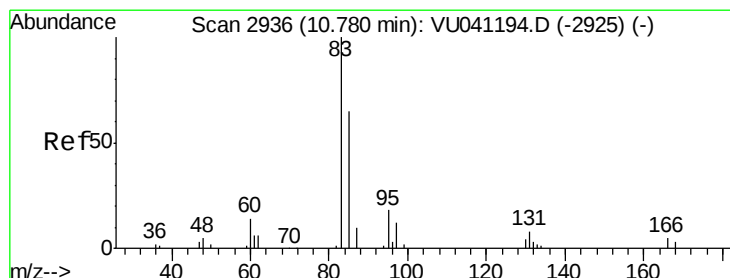
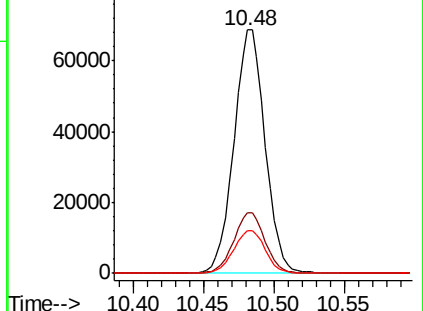
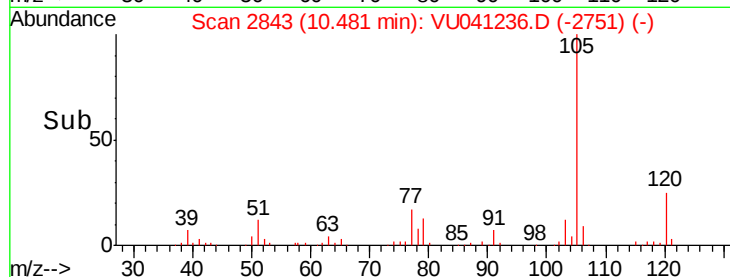
77 17.7 13.8 20.6



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: 4.647 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. 0.00 min

Lab File: VU041236.D

Acq: 16 Nov 2020 09:24

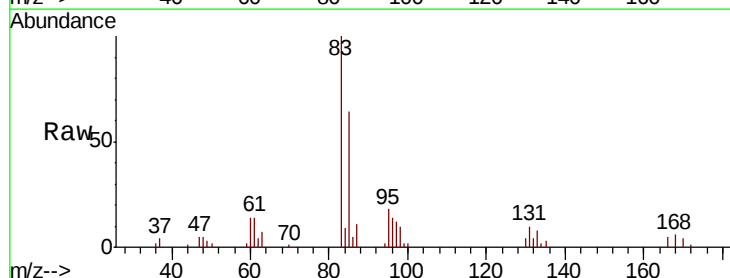
Tgt Ion: 83 Resp: 27197

Ion Ratio Lower Upper

83 100

85 63.8 44.4 82.4

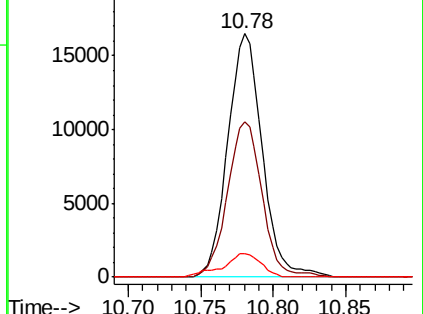
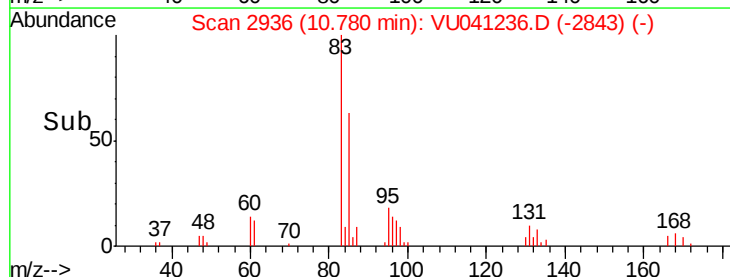
131 9.9 7.7 11.5

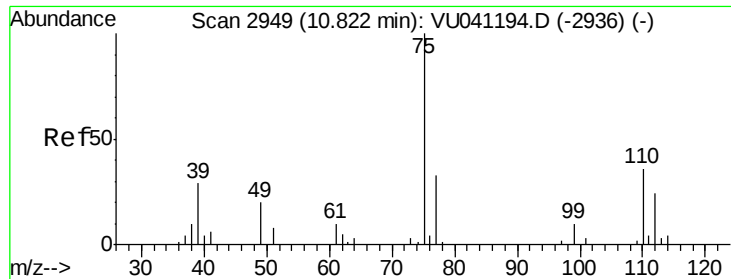


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.867 ug/L

RT: 10.82 min Scan# 2949

Delta R.T. 0.00 min

Lab File: VU041236.D

Acq: 16 Nov 2020 09:24

Instrument :

MSVOA_U

ClientSampleId :

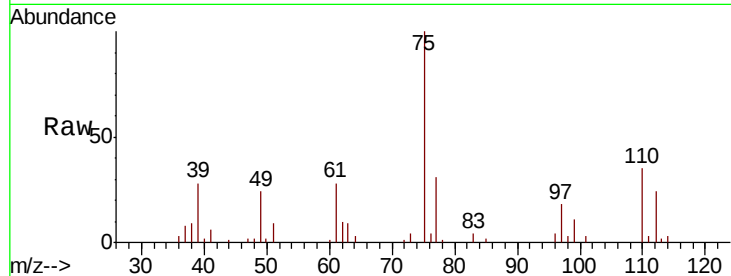
VSTD00504

Tot Ion: 75 Resp: 21716

Ion Ratio Lower Upper

75 100

77 32.1 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) (-)

10.82

15000

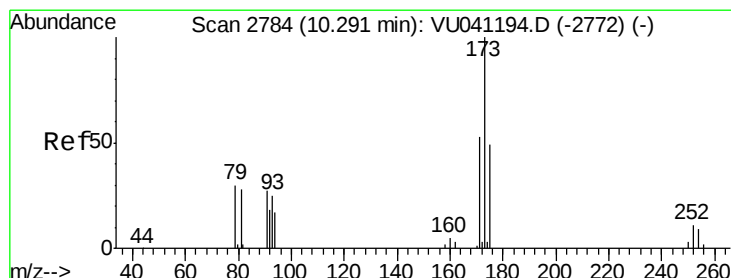
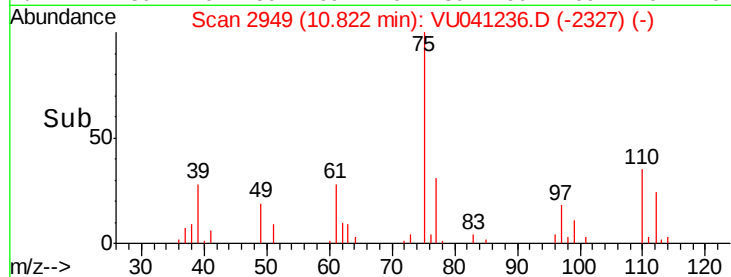
10000

5000

0

Time-->

10.75 10.80 10.85



#61

Bromoform

Concen: 5.617 ug/L

RT: 10.29 min Scan# 2783

Delta R.T. -0.00 min

Lab File: VU041236.D

Acq: 16 Nov 2020 09:24

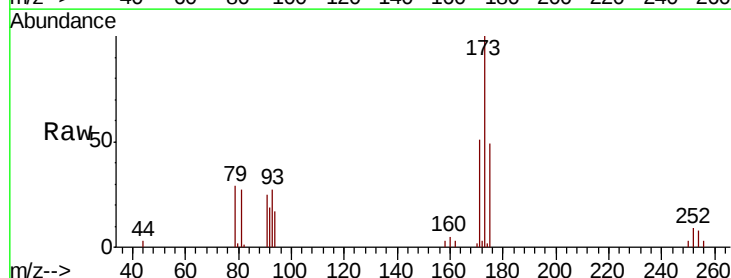
Tgt Ion: 173 Resp: 15627

Ion Ratio Lower Upper

173 100

175 48.1 37.6 56.4

254 8.2 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) (-)

10.29

12000

10000

8000

6000

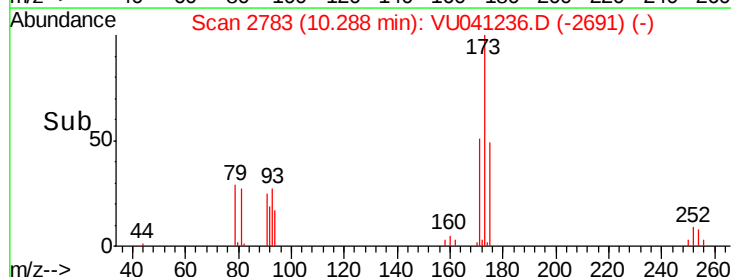
4000

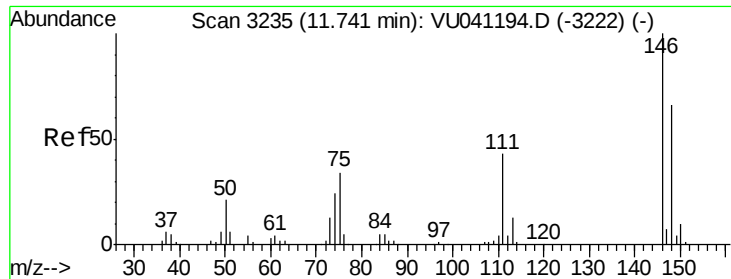
2000

0

Time-->

10.25 10.30 10.35





#62

1,3-Dichlorobenzene

Concen: 5.260 ug/L

RT: 11.74 min Scan# 3235

Delta R.T. 0.00 min

Lab File: VU041236.D

Acq: 16 Nov 2020 09:24

Instrument :

MSVOA_U

ClientSampleId :

VSTD00504

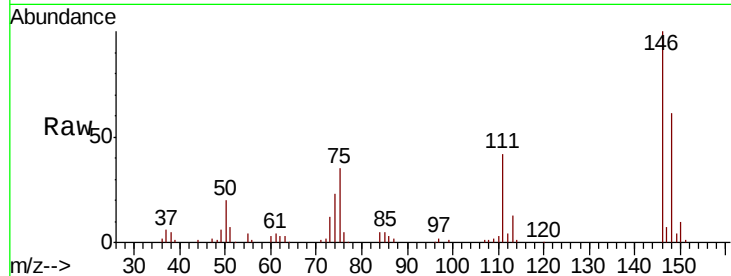
Tot Ion:146 Resp: 54815

Ion Ratio Lower Upper

146 100

111 42.3 30.9 57.3

148 61.3 45.8 85.2

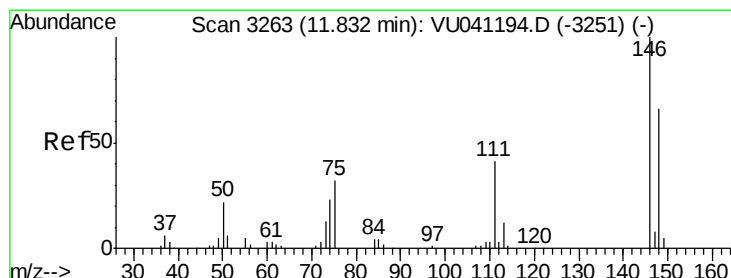
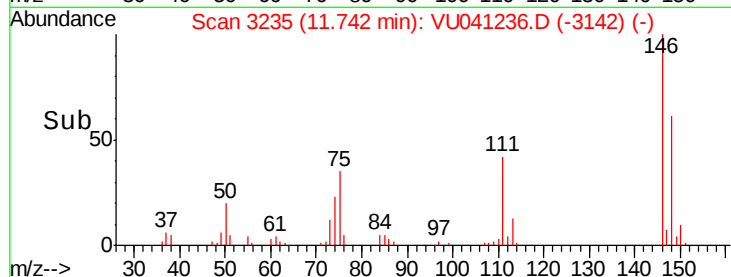
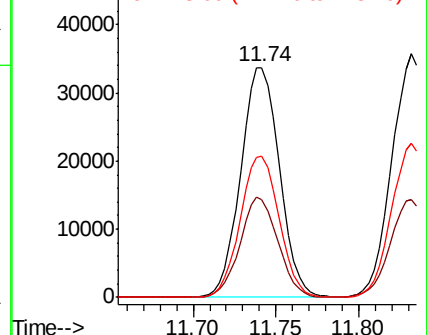


Abundance

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: 5.178 ug/L

RT: 11.83 min Scan# 3263

Delta R.T. 0.00 min

Lab File: VU041236.D

Acq: 16 Nov 2020 09:24

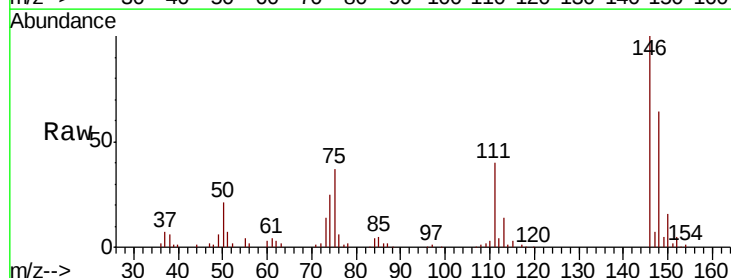
Tgt Ion:146 Resp: 55886

Ion Ratio Lower Upper

146 100

111 40.2 28.3 52.7

148 63.5 44.2 82.2

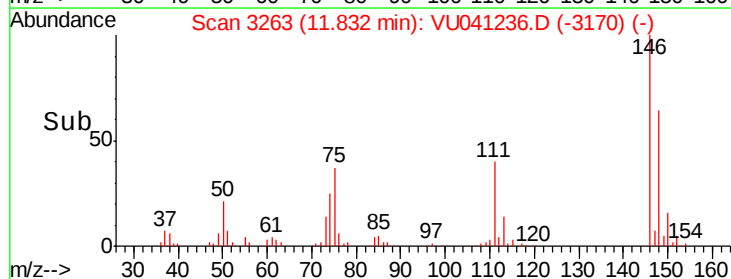
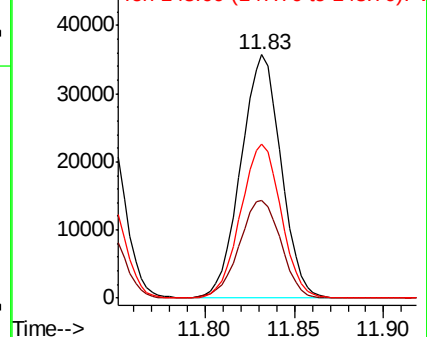


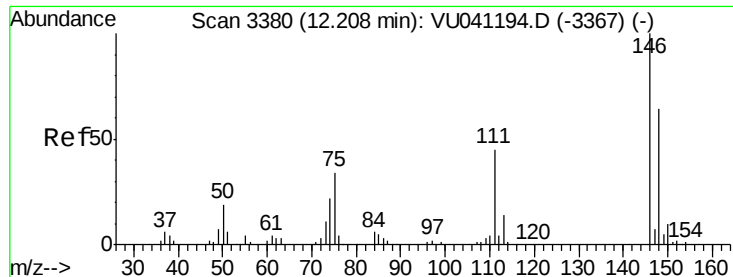
Abundance

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

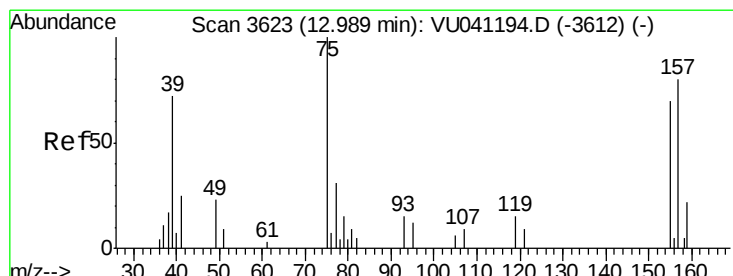
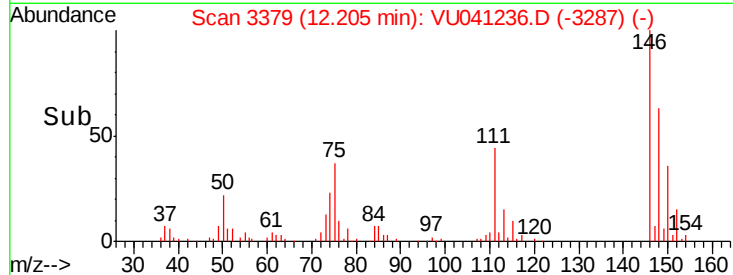
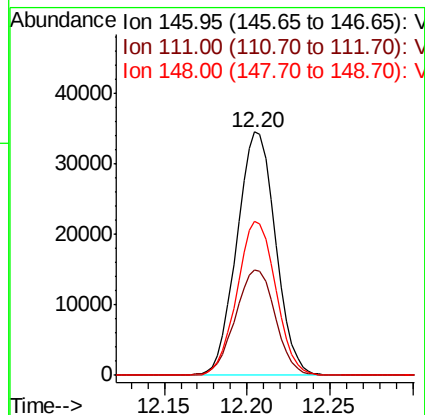
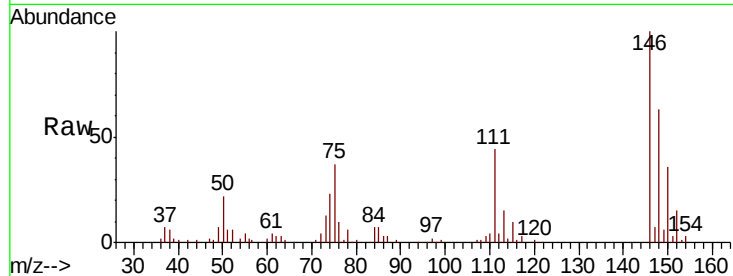




#65
 1,2-Dichlorobenzene
 Concen: 5.444 ug/L
 RT: 12.20 min Scan# 3379
 Delta R.T. -0.00 min
 Lab File: VU041236.D
 Acq: 16 Nov 2020 09:24

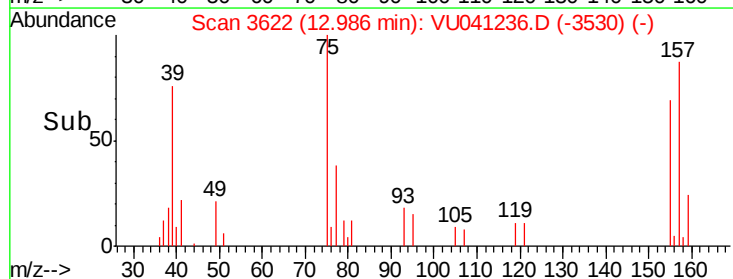
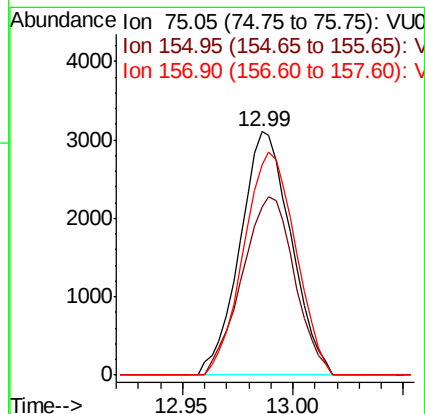
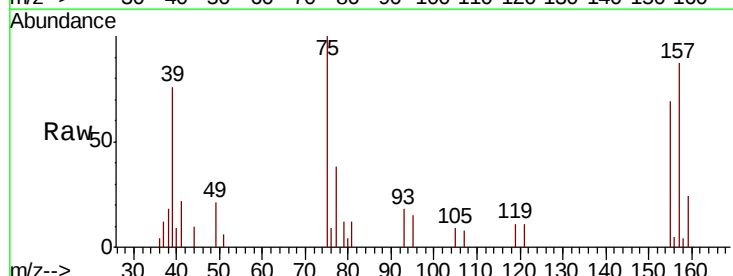
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00504

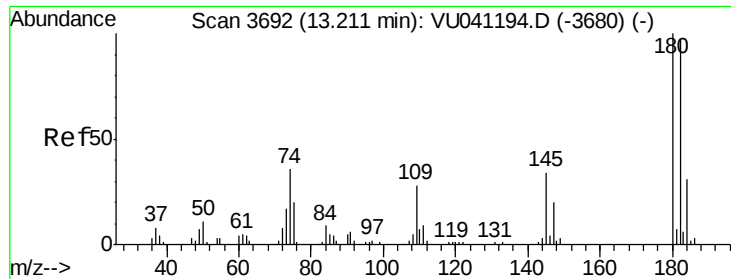
Tot Ion:146 Resp: 55978
 Ion Ratio Lower Upper
 146 100
 111 43.5 35.0 52.6
 148 63.5 52.0 78.0



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.957 ug/L
 RT: 12.99 min Scan# 3622
 Delta R.T. -0.00 min
 Lab File: VU041236.D
 Acq: 16 Nov 2020 09:24

Tgt Ion: 75 Resp: 4996
 Ion Ratio Lower Upper
 75 100
 155 69.1 61.4 92.2
 157 86.6 74.2 111.4

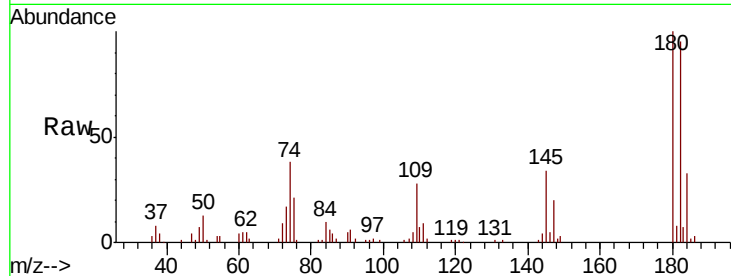




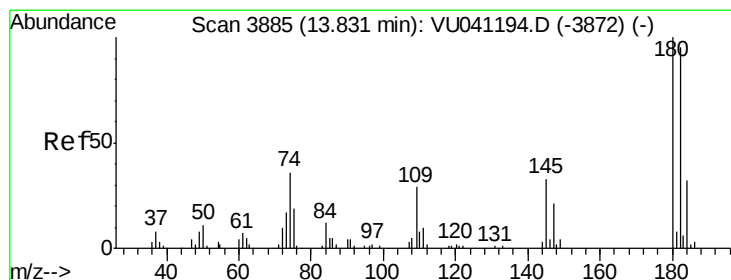
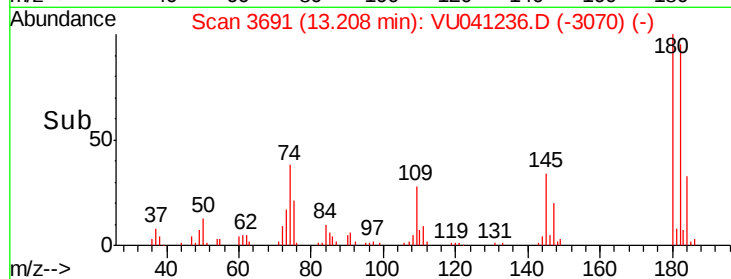
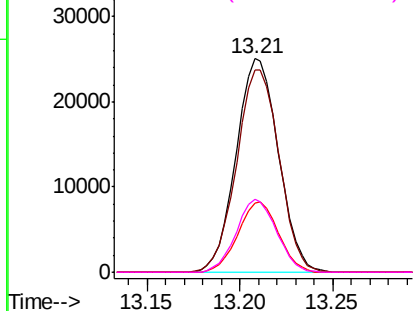
#67
 1,3,5-Trichlorobenzene
 Concen: 5.466 ug/L
 RT: 13.21 min Scan# 3691
 Delta R.T. -0.00 min
 Lab File: VU041236.D
 Acq: 16 Nov 2020 09:24

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00504

Tot Ion:180 Resp: 39834
 Ion Ratio Lower Upper
 180 100
 182 95.4 75.7 113.5
 184 31.5 23.7 35.5
 145 32.5 26.1 39.1

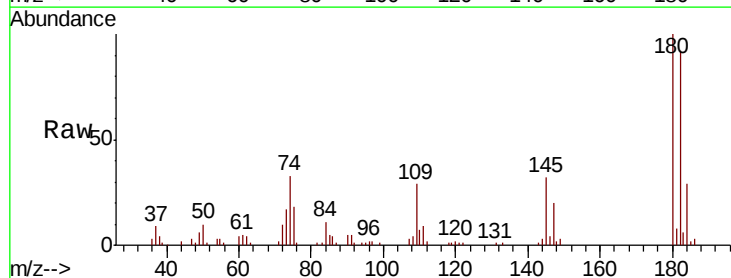


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

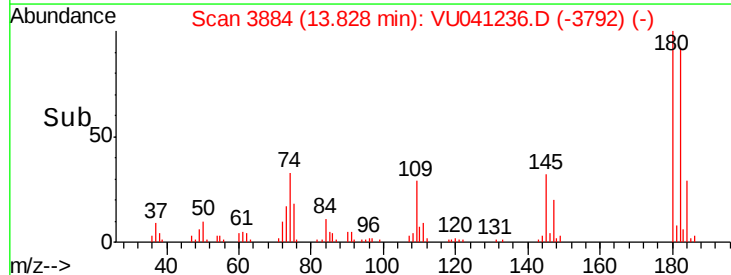
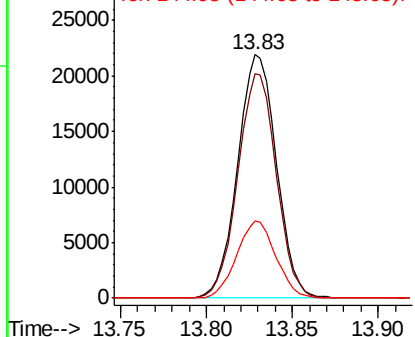


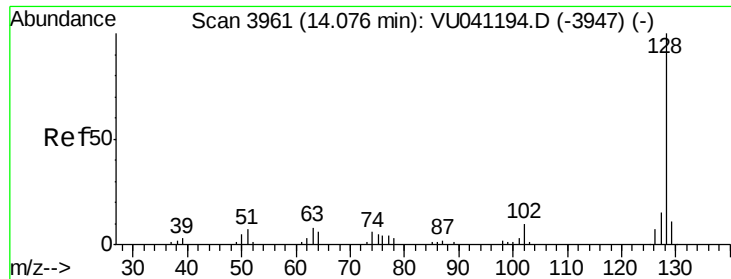
#68
 1,2,4-trichlorobenzene
 Concen: 5.710 ug/L
 RT: 13.83 min Scan# 3884
 Delta R.T. -0.00 min
 Lab File: VU041236.D
 Acq: 16 Nov 2020 09:24

Tgt Ion:180 Resp: 34474
 Ion Ratio Lower Upper
 180 100
 182 91.1 73.5 110.3
 145 31.8 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: 4.973 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. 0.00 min

Lab File: VU041236.D

Acq: 16 Nov 2020 09:24

Instrument :

MSVOA_U

ClientSampleId :

VSTD00504

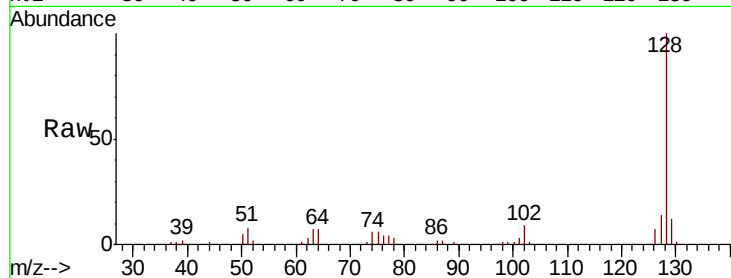
Tot Ion:128 Resp: 53691

Ion Ratio Lower Upper

128 100

129 10.4 8.7 13.1

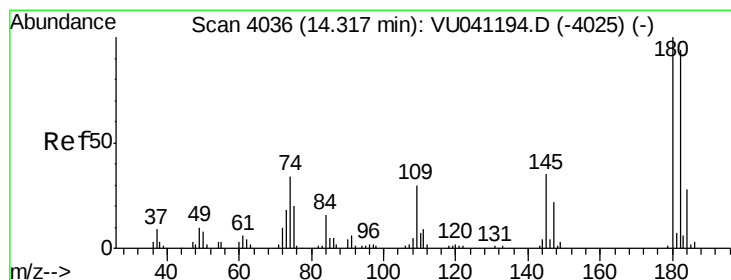
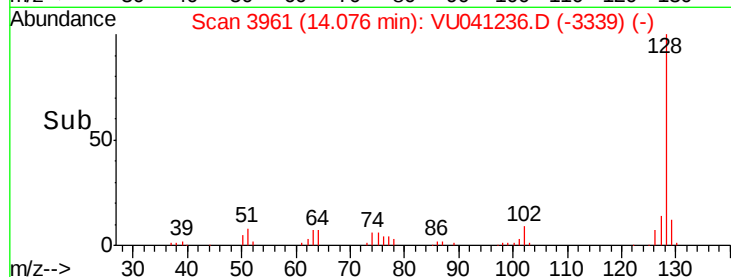
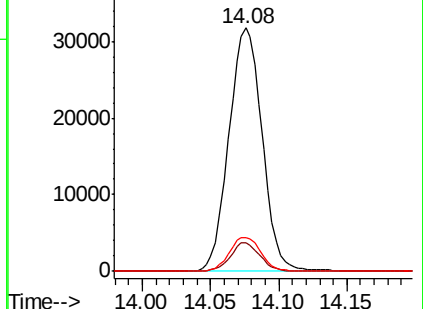
127 13.3 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 5.583 ug/L

RT: 14.32 min Scan# 4036

Delta R.T. 0.00 min

Lab File: VU041236.D

Acq: 16 Nov 2020 09:24

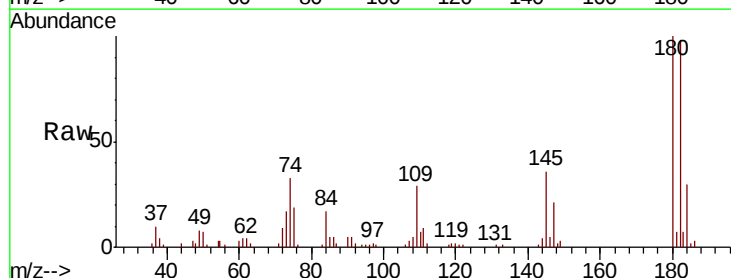
Tgt Ion:180 Resp: 31066

Ion Ratio Lower Upper

180 100

182 96.7 77.7 116.5

145 34.3 29.4 44.0



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

