

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060319\
 Data File : VU032392.D
 Acq On : 03 Jun 2019 14:45
 Operator : JC/SP
 Sample : VSTD00109
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00109

Quant Time: Jun 04 08:32:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR060319WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Jun 04 08:29:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	113157	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	105311	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	50054	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	10103	1.00	ug/L	0.00
7) Chloroethane-d5	1.68	69	9369	0.75	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.27	63	24648	1.01	ug/L	0.00
20) 2-Butanone-d5	4.20	46	23390	9.49	ug/L	0.00
24) Chloroform-d	4.64	84	15764	0.99	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	8715	1.01	ug/L	0.00
32) Benzene-d6	5.33	84	28233	0.99	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.33	67	9638	1.03	ug/L	0.00
41) Toluene-d8	7.56	98	26311	0.98	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	4459	1.01	ug/L	0.00
46) 2-Hexanone-d5	8.31	63	18803	9.49	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.43	84	7791	1.00	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	9194	0.98	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	19458	1.042 ug/L	100
3) Chloromethane	1.32	50	21198	1.110 ug/L	99
5) Vinyl chloride	1.40	62	21569	1.056 ug/L	98
6) Bromomethane	1.63	94	13494	0.946 ug/L	98
8) Chloroethane	1.69	64	18305	0.922 ug/L	96
9) Trichlorofluoromethane	1.88	101	30516	1.046 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	16956	1.061 ug/L	98
12) 1,1-Dichloroethene	2.28	96	15814	1.063 ug/L	98
13) Acetone	2.34	43	44424	11.392 ug/L	95
14) Carbon disulfide	2.47	76	53206	1.061 ug/L	99
15) Methyl Acetate	2.62	43	10004	1.069 ug/L	95
16) Methylene chloride	2.69	84	18290	1.075 ug/L	95
17) Methyl tert-butyl Ether	3.00	73	50394	1.037 ug/L	100
18) trans-1,2-Dichloroethene	2.97	96	16964	1.001 ug/L	96
19) 1,1-Dichloroethane	3.43	63	29874	1.059 ug/L	97
21) 2-Butanone	4.29	43	52826	10.153 ug/L	98
22) cis-1,2-Dichloroethene	4.22	96	17451	1.086 ug/L	94
23) Bromochloromethane	4.54	128	6632	0.999 ug/L	# 84
25) Chloroform	4.67	83	30505	1.047 ug/L	97
27) 1,2-Dichloroethane	5.40	62	21088	1.041 ug/L	98
29) 1,1,1-Trichloroethane	4.90	97	26892	1.099 ug/L	99
30) Cyclohexane	4.98	56	28913	1.080 ug/L	99
31) Carbon tetrachloride	5.13	117	23715	1.094 ug/L	96
33) Benzene	5.38	78	63064	1.064 ug/L	100
34) Trichloroethene	6.18	95	16764	1.047 ug/L	99
35) Methylcyclohexane	6.41	83	28895	1.069 ug/L	98
37) 1,2-Dichloropropane	6.43	63	17185	1.073 ug/L	100
38) Bromodichloromethane	6.75	83	22496	1.060 ug/L	97
39) cis-1,3-Dichloropropene	7.27	75	25865	0.983 ug/L	93
40) 4-Methyl-2-pentanone	7.46	43	129689	10.661 ug/L	100

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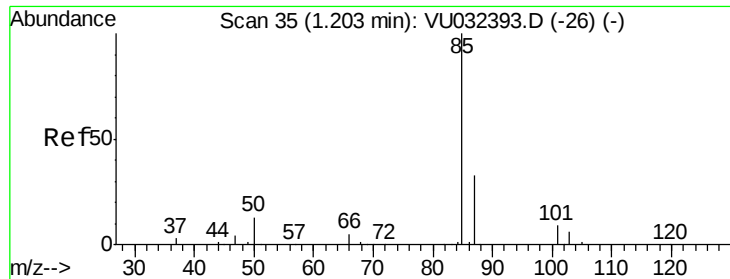
Instrument :
 MSVOA_U
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR060319WMA.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

42) Toluene	7.63	91	67685	1.044	ug/L	98
44) trans-1,3-Dichloropropene	7.88	75	22072	1.036	ug/L	99
45) 1,1,2-Trichloroethane	8.06	97	12019	1.062	ug/L	98
47) Tetrachloroethene	8.22	164	11614	1.040	ug/L	97
48) 2-Hexanone	8.36	43	94363	10.606	ug/L	99
49) Dibromochloromethane	8.47	129	14753	1.039	ug/L	96
50) 1,2-Dibromoethane	8.59	107	11956	1.070	ug/L	98
51) Chlorobenzene	9.12	112	42306	1.063	ug/L	99
52) Ethylbenzene	9.24	91	77717	1.055	ug/L	100
53) m,p-Xylene	9.37	106	28296	1.036	ug/L	94
54) o-Xylene	9.77	106	28404	1.052	ug/L	97
55) Styrene	9.79	104	45742	1.008	ug/L	99
56) Isopropylbenzene	10.16	105	73917	1.039	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.45	83	15916	1.067	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	10841	1.025	ug/L	90
61) Bromoform	9.95	173	8351	1.037	ug/L	96
62) 1,3-Dichlorobenzene	11.41	146	31280	1.032	ug/L	97
63) 1,4-Dichlorobenzene	11.50	146	31564	1.039	ug/L	99
65) 1,2-Dichlorobenzene	11.87	146	30169	1.047	ug/L	96
66) 1,2-Dibromo-3-chloropropan	12.66	75	2822	0.995	ug/L	98
67) 1,3,5-Trichlorobenzene	12.88	180	23895	1.018	ug/L	98
68) 1,2,4-trichlorobenzene	13.50	180	19667	0.965	ug/L	97
69) Naphthalene	13.74	128	39388	0.982	ug/L	97
70) 1,2,3-Trichlorobenzene	13.98	180	19055	0.997	ug/L	94

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



#2

Dichlorodifluoromethane

Concen: 1.042 ug/L

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU032392.D

Acq: 03 Jun 2019 14:45

Instrument :

MSVOA_U

ClientSampleId :

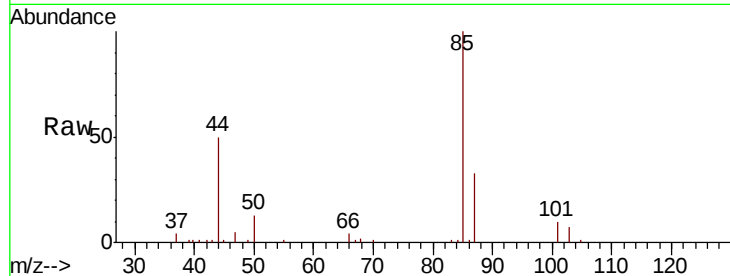
VSTD00109

Tgt Ion: 85 Resp: 19458

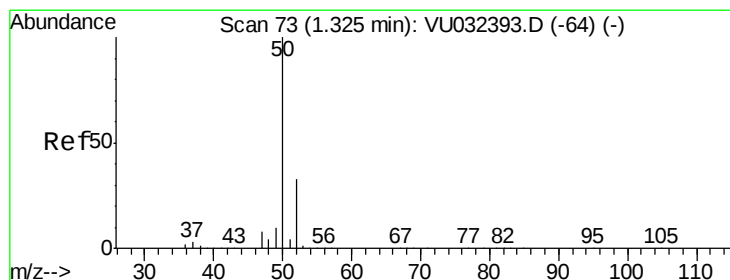
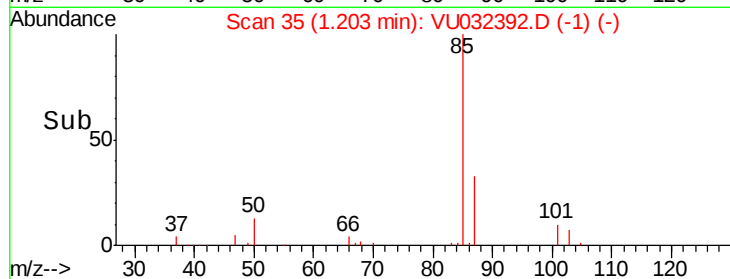
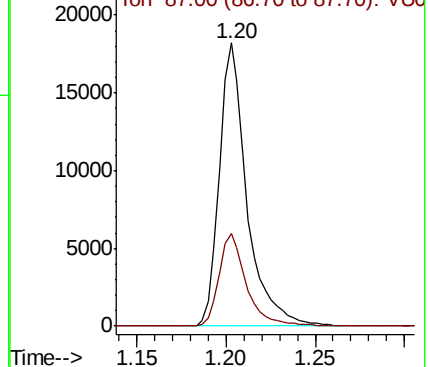
Ion Ratio Lower Upper

85 100

87 32.2 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VU032392.D (-1) (-)



#3

Chloromethane

Concen: 1.110 ug/L

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU032392.D

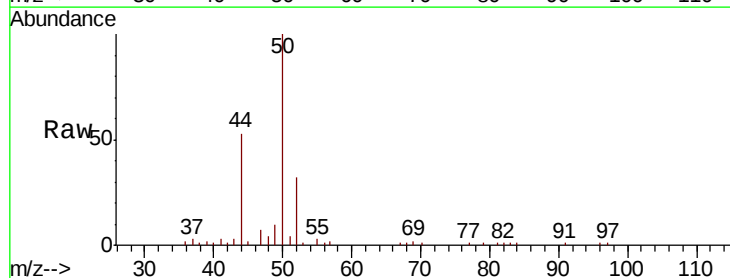
Acq: 03 Jun 2019 14:45

Tgt Ion: 50 Resp: 21198

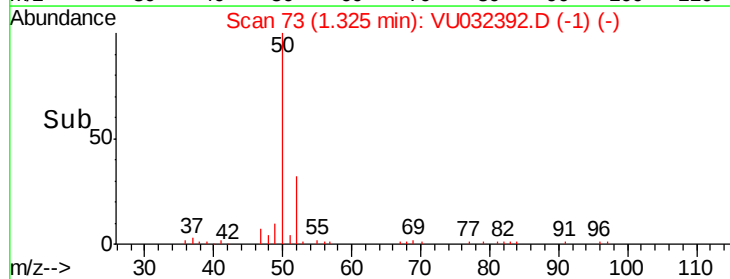
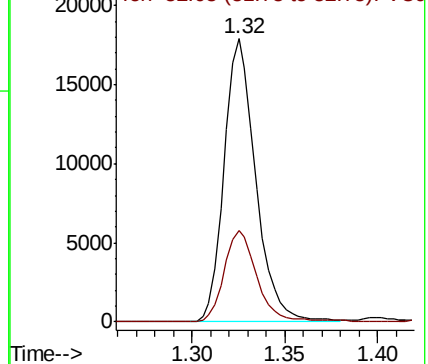
Ion Ratio Lower Upper

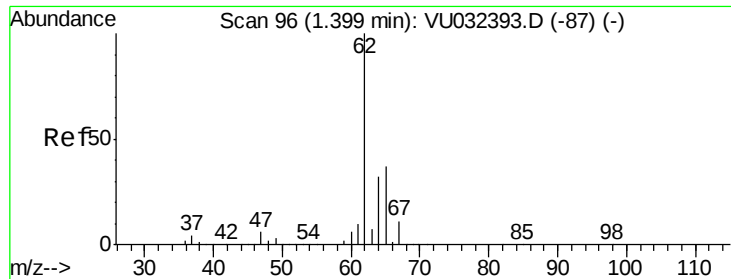
50 100

52 32.1 23.0 42.8



Abundance Ion 50.05 (49.75 to 50.75): VU032392.D (-1) (-)





#5

Vinyl chloride

Concen: 1.056 ug/L

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU032392.D

Acq: 03 Jun 2019 14:45

Instrument :

MSVOA_U

ClientSampleId :

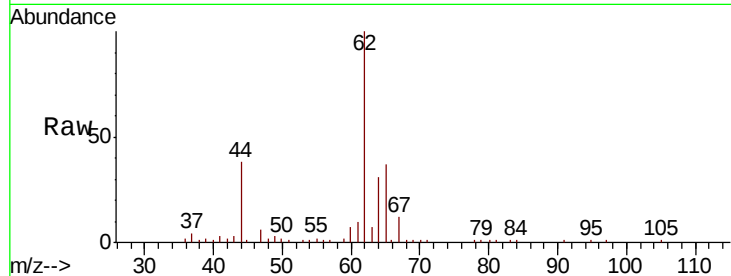
VSTD00109

Tgt Ion: 62 Resp: 21569

Ion Ratio Lower Upper

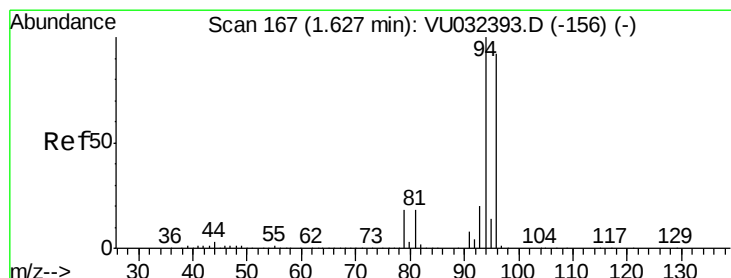
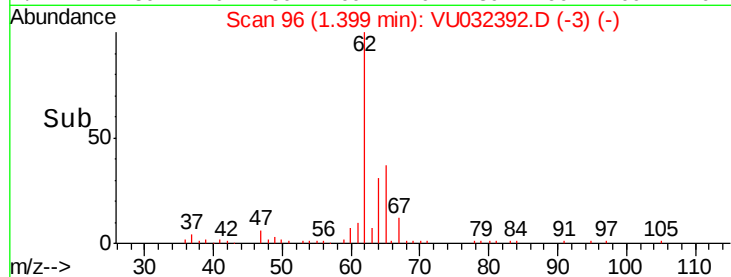
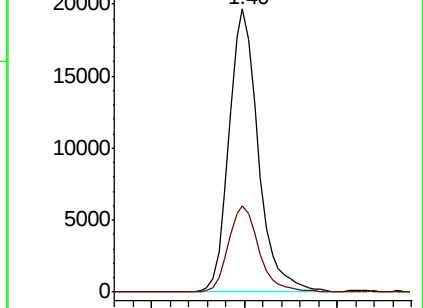
62 100

64 30.6 22.3 41.3



Abundance Ion 62.00 (61.70 to 62.70): VU032393.D (-87) (-)

Ion 64.10 (63.80 to 64.80): VU032393.D (-87) (-)



#6

Bromomethane

Concen: 0.946 ug/L

RT: 1.63 min Scan# 167

Delta R.T. 0.00 min

Lab File: VU032392.D

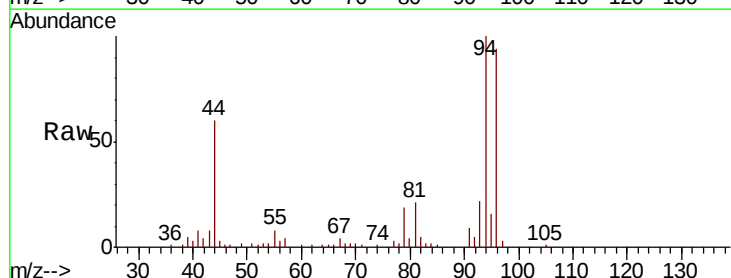
Acq: 03 Jun 2019 14:45

Tgt Ion: 94 Resp: 13494

Ion Ratio Lower Upper

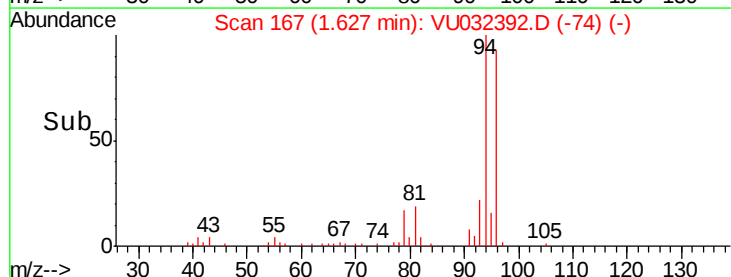
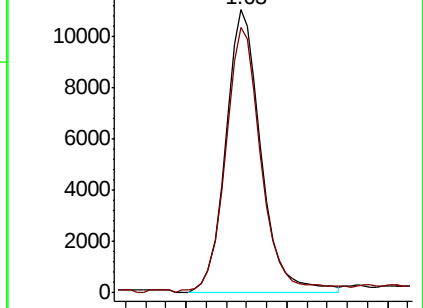
94 100

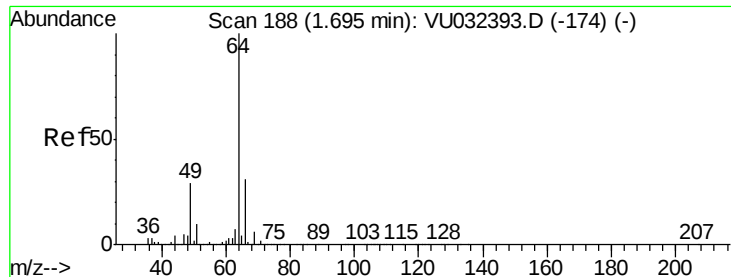
96 93.9 64.2 119.2



Abundance Ion 94.00 (93.70 to 94.70): VU032393.D (-156) (-)

Ion 96.00 (95.70 to 96.70): VU032393.D (-156) (-)





#8

Chloroethane

Concen: 0.922 ug/L

RT: 1.69 min Scan# 188

Delta R.T. 0.00 min

Lab File: VU032392.D

Acq: 03 Jun 2019 14:45

Instrument :

MSVOA_U

ClientSampleId :

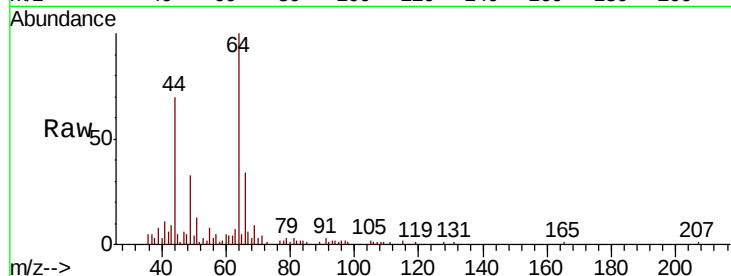
VSTD00109

Tgt Ion: 64 Resp: 18305

Ion Ratio Lower Upper

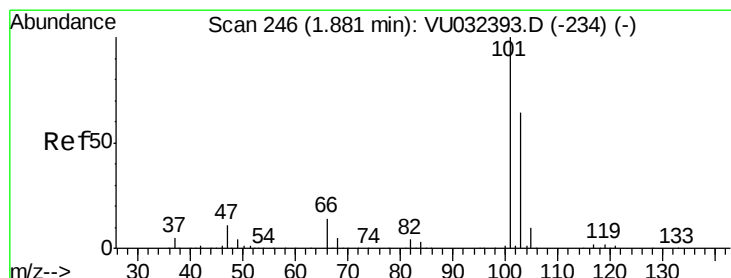
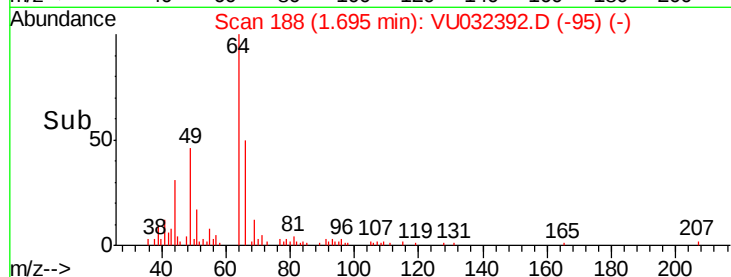
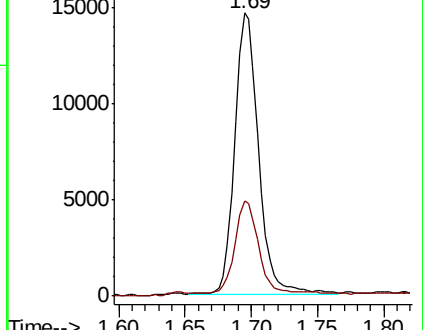
64 100

66 33.7 22.1 41.1



Abundance Ion 64.10 (63.80 to 64.80): VU032392.D (-174) (-)

Ion 66.05 (65.75 to 66.75): VU032392.D (-174) (-)



#9

Trichlorofluoromethane

Concen: 1.046 ug/L

RT: 1.88 min Scan# 246

Delta R.T. 0.00 min

Lab File: VU032392.D

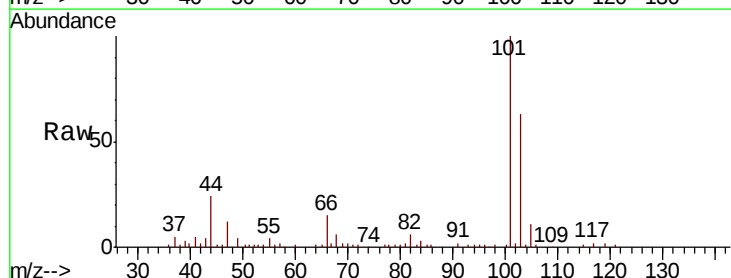
Acq: 03 Jun 2019 14:45

Tgt Ion: 101 Resp: 30516

Ion Ratio Lower Upper

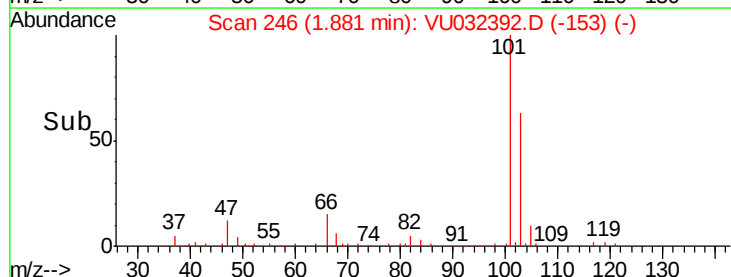
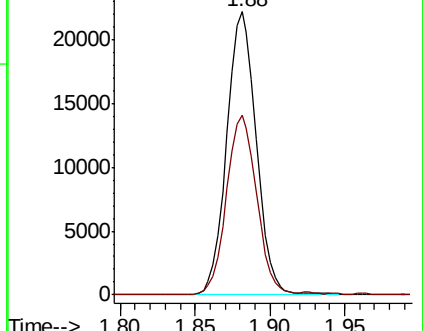
101 100

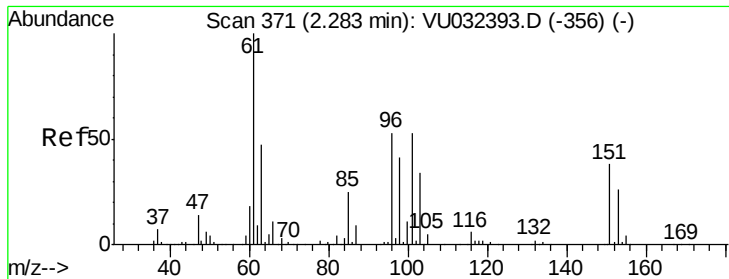
103 64.9 51.3 76.9



Abundance Ion 101.00 (100.70 to 101.70): VU032392.D (-234) (-)

Ion 103.00 (102.70 to 103.70): VU032392.D (-234) (-)





#10

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

Concen: 1.061 ug/L

RT: 2.28 min Scan# 371

Delta R.T. 0.00 min

Lab File: VU032392.D

Acq: 03 Jun 2019 14:45

Instrument :

MSVOA_U

ClientSampleId :

VSTD00109

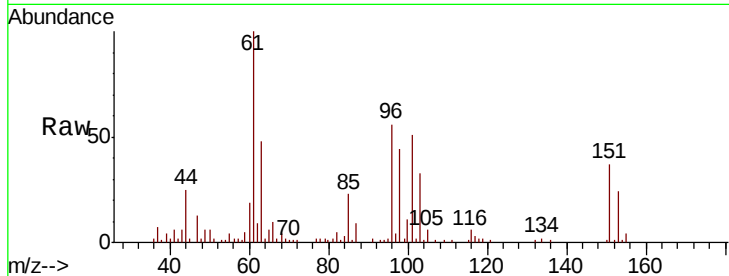
Tgt Ion: 101 Resp: 16956

Ion Ratio Lower Upper

101 100

85 49.0 38.0 57.0

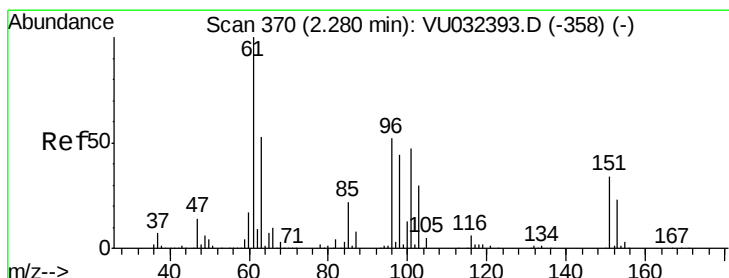
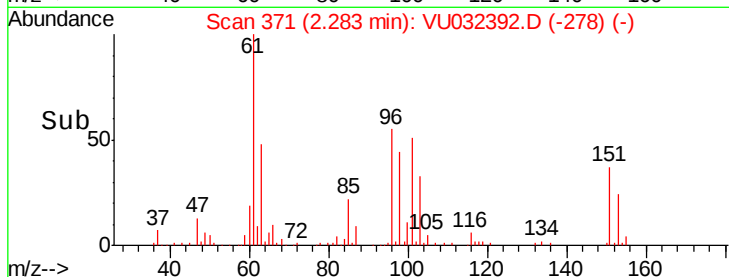
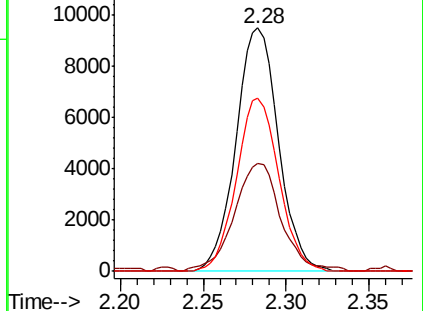
151 70.9 58.1 87.1



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: 1.063 ug/L

RT: 2.28 min Scan# 370

Delta R.T. 0.00 min

Lab File: VU032392.D

Acq: 03 Jun 2019 14:45

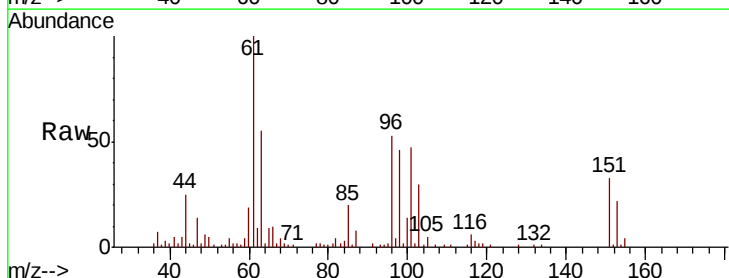
Tgt Ion: 96 Resp: 15814

Ion Ratio Lower Upper

96 100

61 187.5 133.6 248.0

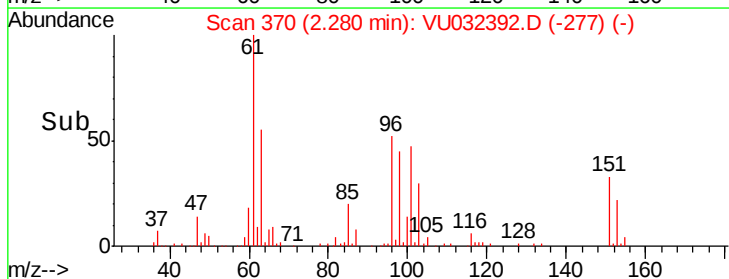
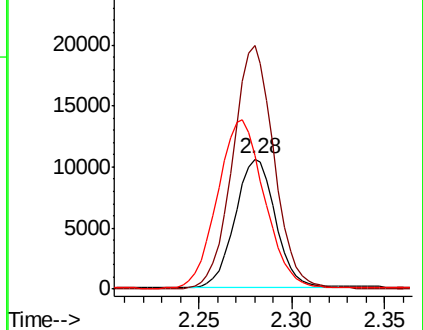
63 102.5 72.4 134.4

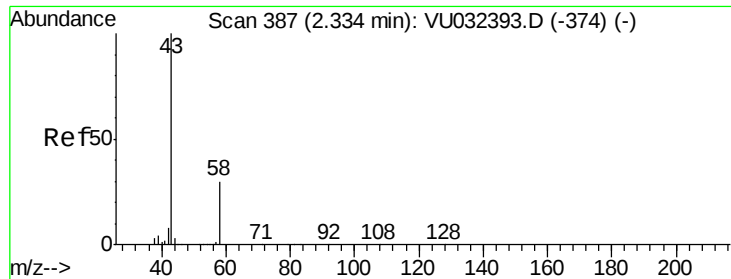


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 11.392 ug/L

RT: 2.34 min Scan# 388

Delta R.T. 0.00 min

Lab File: VU032392.D

Acq: 03 Jun 2019 14:45

Instrument :

MSVOA_U

ClientSampleId :

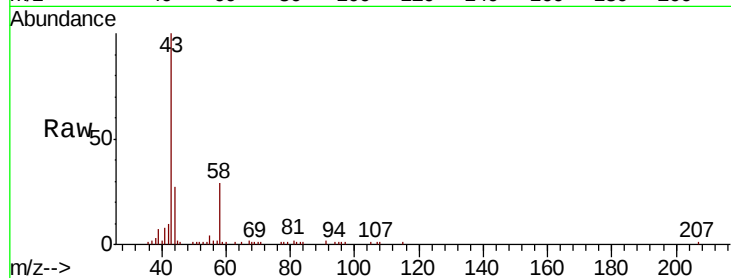
VSTD00109

Tgt Ion: 43 Resp: 44424

Ion Ratio Lower Upper

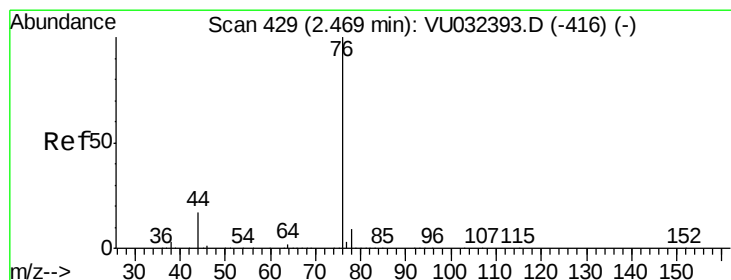
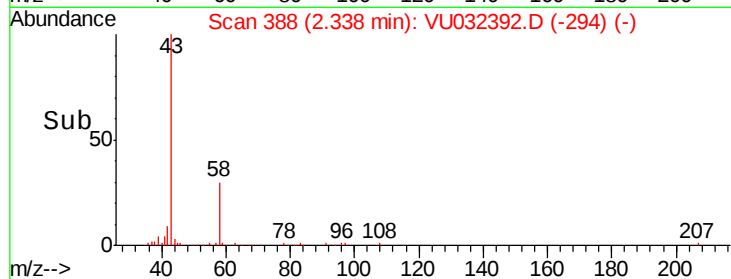
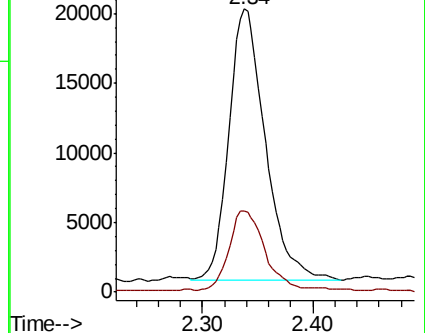
43 100

58 28.3 0.0 62.2



Abundance Ion 43.05 (42.75 to 43.75): VU032393.D (-374) (-)

Ion 58.05 (57.75 to 58.75): VU032393.D (-374) (-)



#14

Carbon disulfide

Concen: 1.061 ug/L

RT: 2.47 min Scan# 429

Delta R.T. 0.00 min

Lab File: VU032392.D

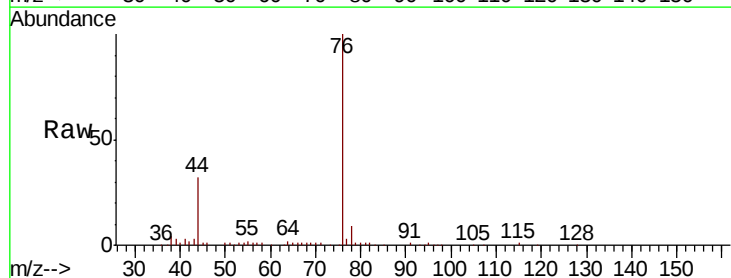
Acq: 03 Jun 2019 14:45

Tgt Ion: 76 Resp: 53206

Ion Ratio Lower Upper

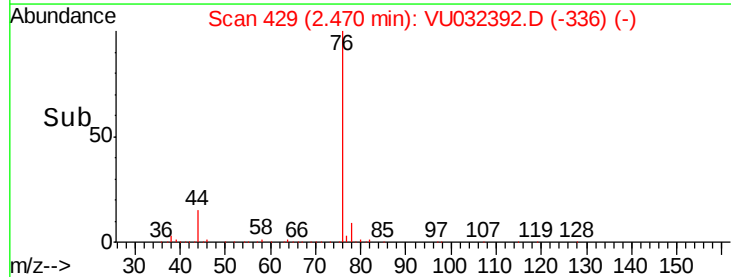
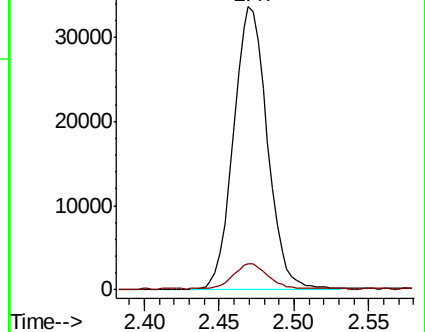
76 100

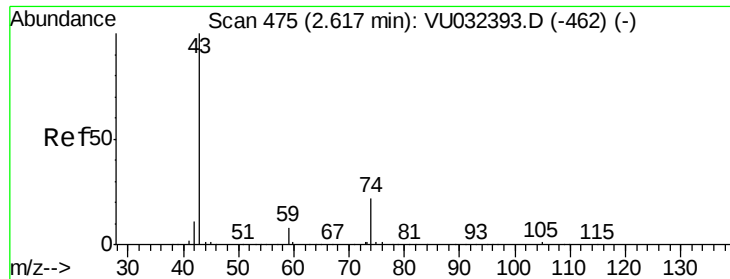
78 9.3 7.6 11.4



Abundance Ion 76.05 (75.75 to 76.75): VU032393.D (-416) (-)

Ion 78.00 (77.70 to 78.70): VU032393.D (-416) (-)





#15

Methyl Acetate

Concen: 1.069 ug/L

RT: 2.62 min Scan# 476

Delta R.T. 0.00 min

Lab File: VU032392.D

Acq: 03 Jun 2019 14:45

Instrument :

MSVOA_U

ClientSampleId :

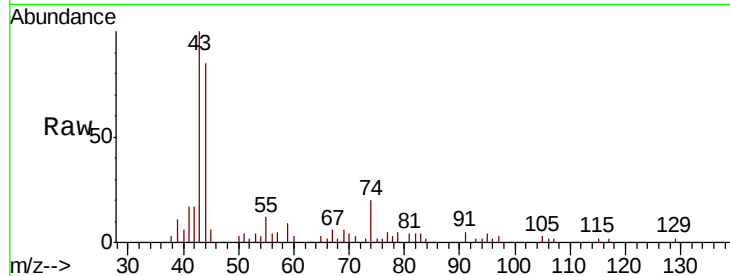
VSTD00109

Tgt Ion: 43 Resp: 10004

Ion Ratio Lower Upper

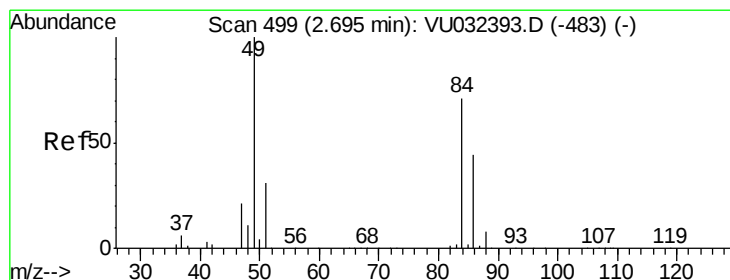
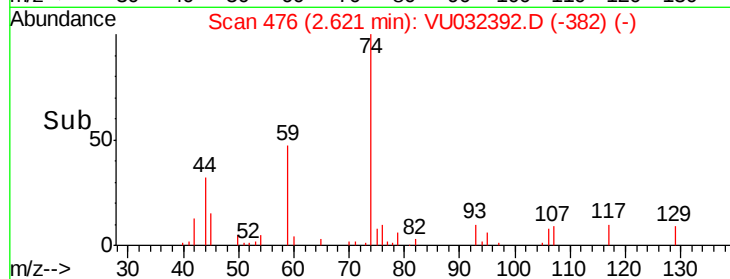
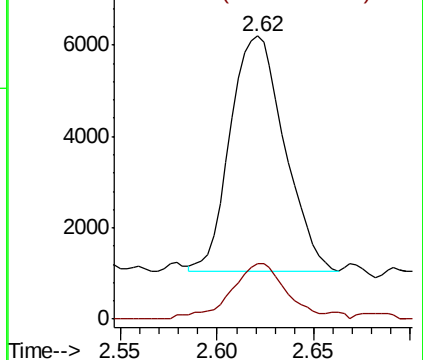
43 100

74 24.4 17.7 26.5



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0



#16

Methylene chloride

Concen: 1.075 ug/L

RT: 2.69 min Scan# 499

Delta R.T. 0.00 min

Lab File: VU032392.D

Acq: 03 Jun 2019 14:45

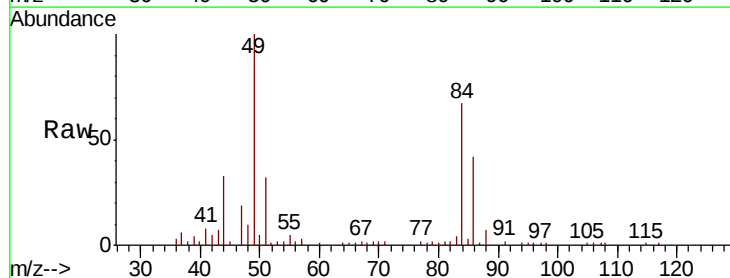
Tgt Ion: 84 Resp: 18290

Ion Ratio Lower Upper

84 100

86 61.8 43.8 81.4

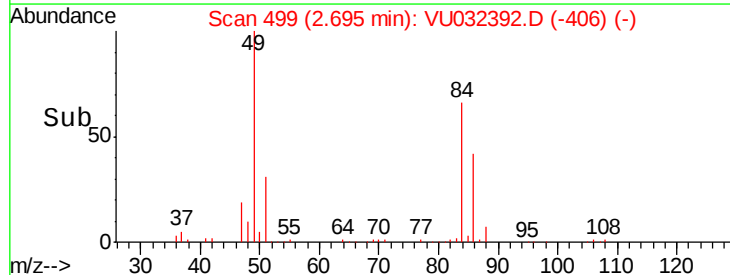
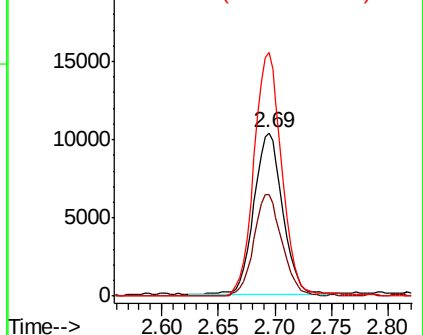
49 148.9 98.8 183.6

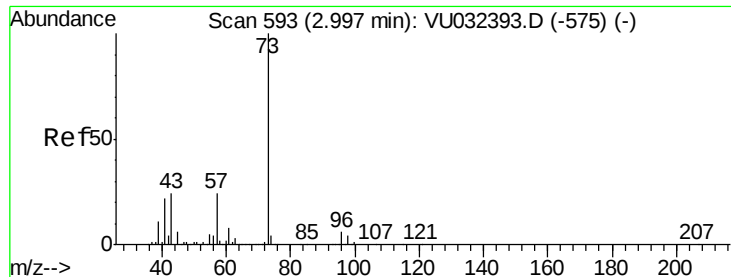


Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0





#17

Methyl tert-butyl Ether

Concen: 1.037 ug/L

RT: 3.00 min Scan# 594

Delta R.T. 0.00 min

Lab File: VU032392.D

Acq: 03 Jun 2019 14:45

Instrument :

MSVOA_U

ClientSampleId :

VSTD00109

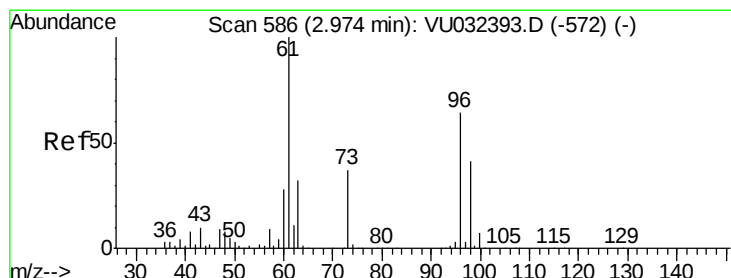
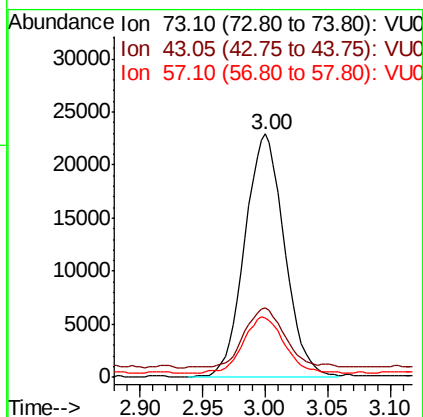
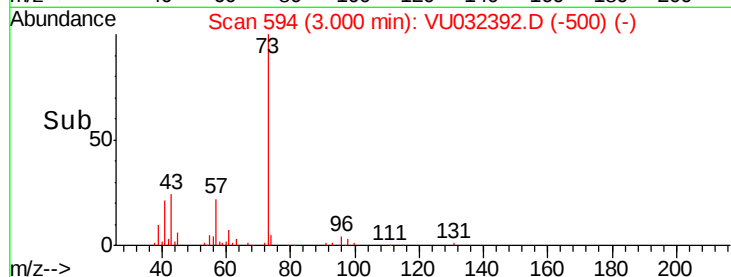
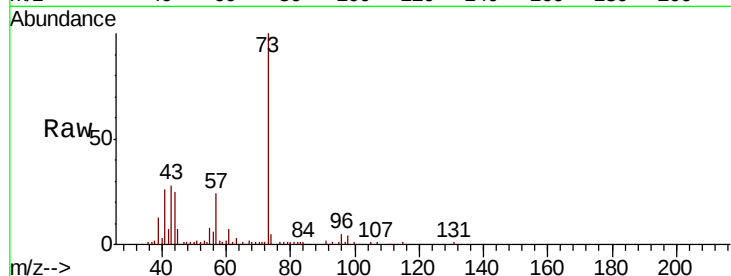
Tgt Ion: 73 Resp: 50394

Ion Ratio Lower Upper

73 100

43 24.0 19.0 28.4

57 23.1 18.6 28.0



#18

trans-1,2-Dichloroethene

Concen: 1.001 ug/L

RT: 2.97 min Scan# 586

Delta R.T. 0.00 min

Lab File: VU032392.D

Acq: 03 Jun 2019 14:45

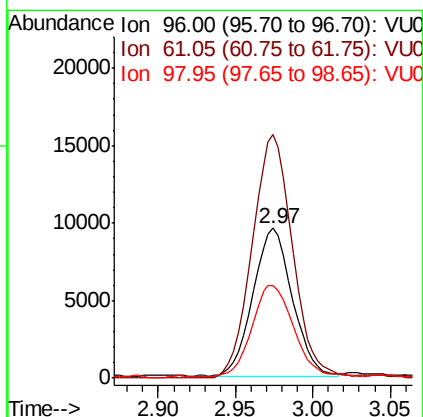
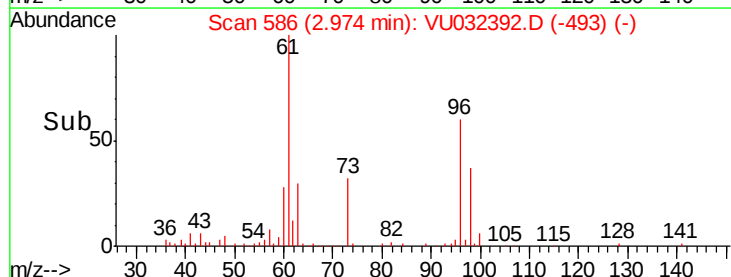
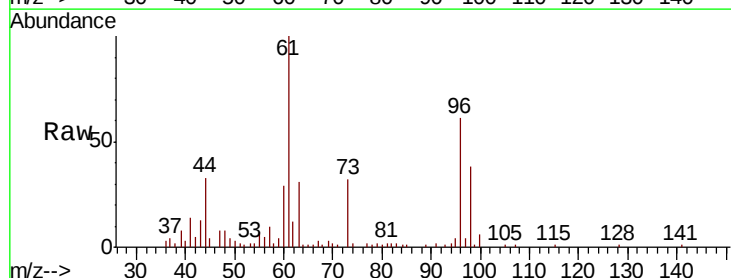
Tgt Ion: 96 Resp: 16964

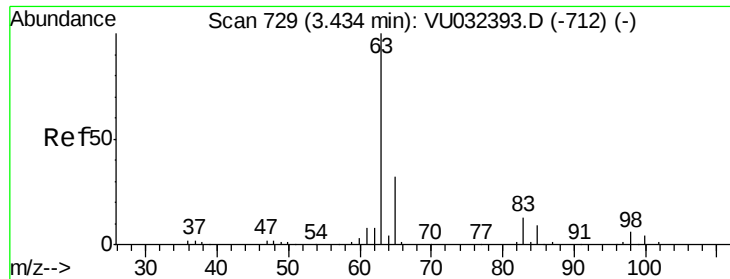
Ion Ratio Lower Upper

96 100

61 162.7 109.1 202.7

98 61.8 44.6 82.8

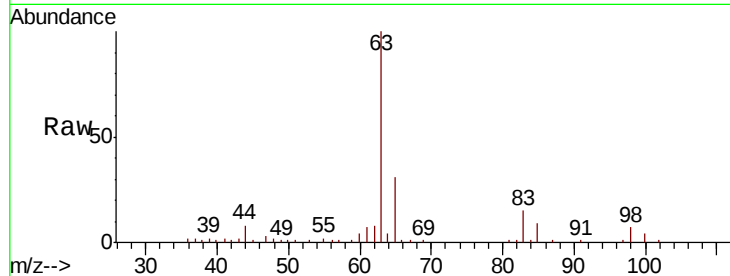




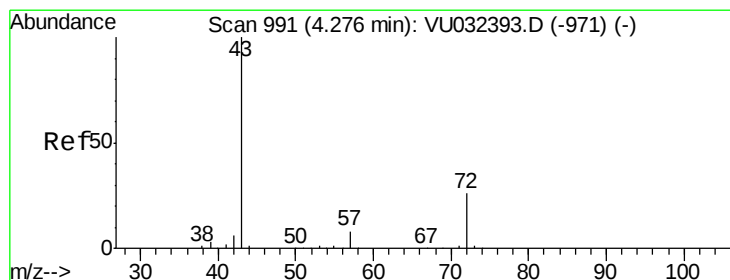
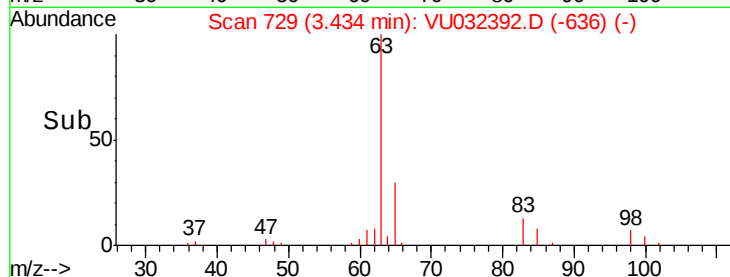
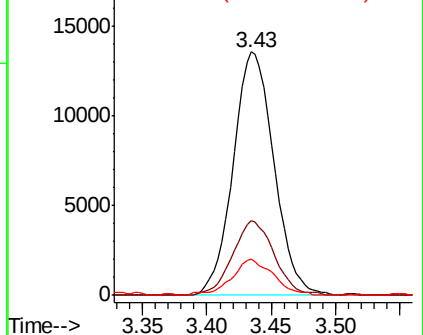
#19
 1,1-Dichloroethane
 Concen: 1.059 ug/L
 RT: 3.43 min Scan# 729
 Delta R.T. 0.00 min
 Lab File: VU032392.D
 Acq: 03 Jun 2019 14:45

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00109

Tgt Ion: 63 Resp: 29874
 Ion Ratio Lower Upper
 63 100
 65 30.8 22.5 41.7
 83 14.8 9.0 16.8

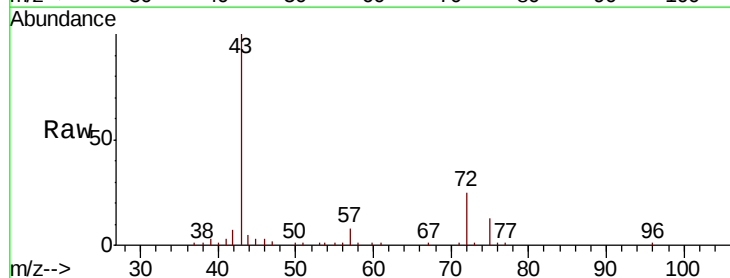


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

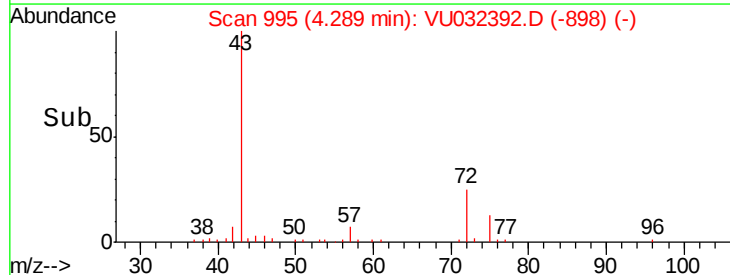
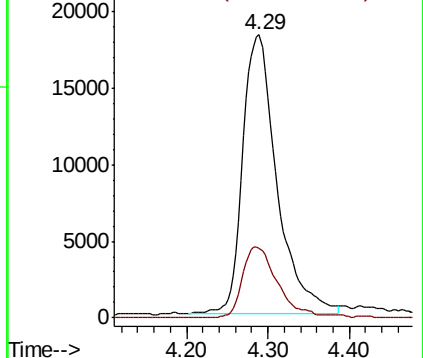


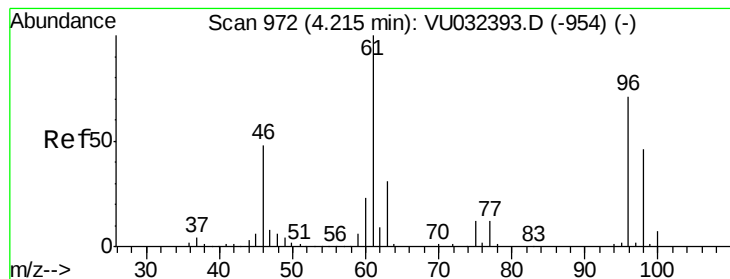
#21
 2-Butanone
 Concen: 10.153 ug/L
 RT: 4.29 min Scan# 995
 Delta R.T. 0.01 min
 Lab File: VU032392.D
 Acq: 03 Jun 2019 14:45

Tgt Ion: 43 Resp: 52826
 Ion Ratio Lower Upper
 43 100
 72 25.8 12.4 37.2



Abundance Ion 43.05 (42.75 to 43.75): VU0
 Ion 72.10 (71.80 to 72.80): VU0



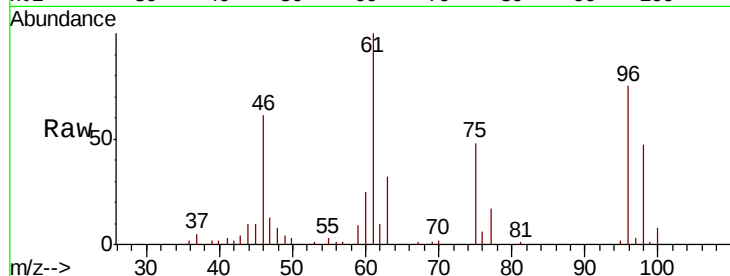


#22

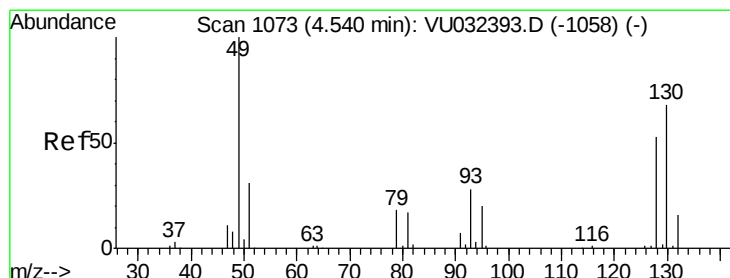
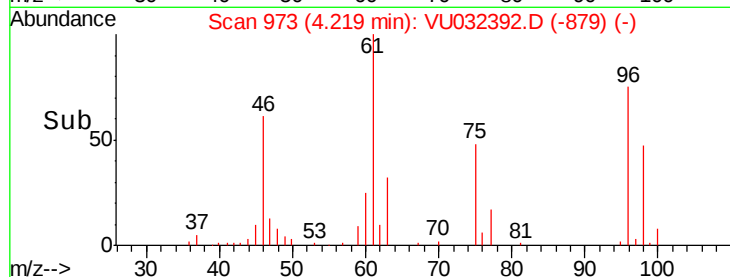
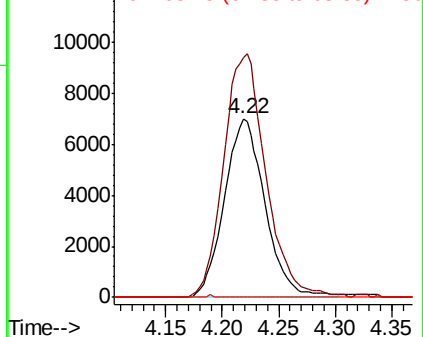
cis-1,2-Dichloroethene
 Concen: 1.086 ug/L
 RT: 4.22 min Scan# 973
 Delta R.T. 0.00 min
 Lab File: VU032392.D
 Acq: 03 Jun 2019 14:45

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00109

Tgt Ion: 96 Resp: 17451
 Ion Ratio Lower Upper
 96 100
 61 133.9 99.0 183.8
 68 0.0 0.0 0.0



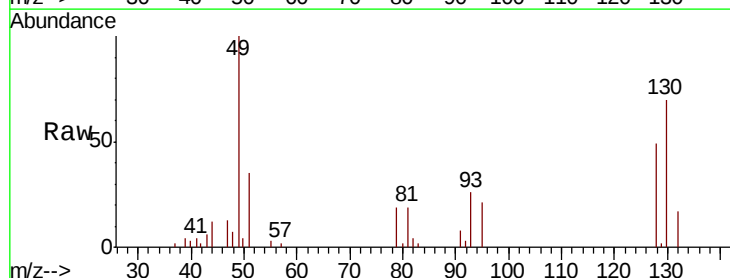
Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0



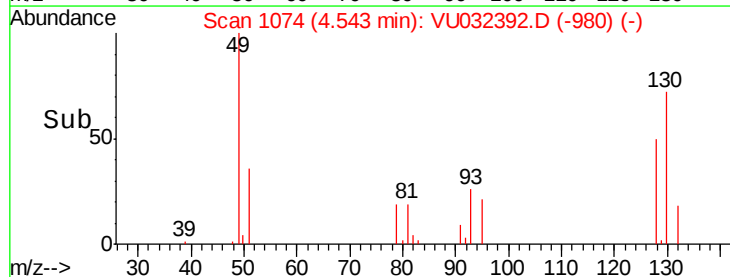
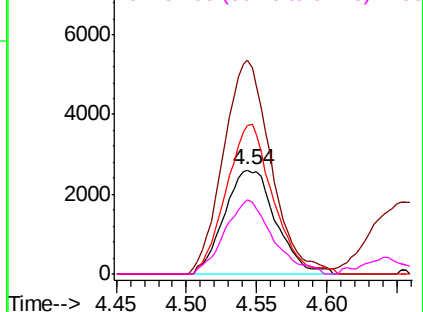
#23

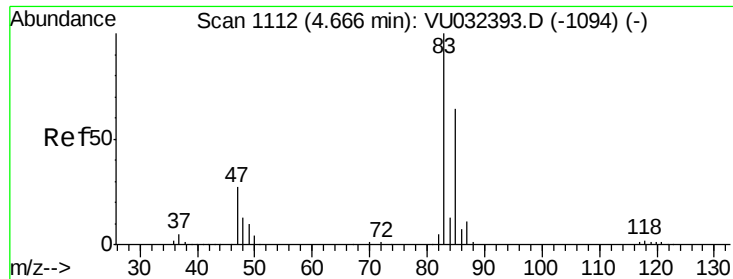
Bromochloromethane
 Concen: 0.999 ug/L
 RT: 4.54 min Scan# 1074
 Delta R.T. 0.00 min
 Lab File: VU032392.D
 Acq: 03 Jun 2019 14:45

Tgt Ion: 128 Resp: 6632
 Ion Ratio Lower Upper
 128 100
 49 214.0 131.5 244.3
 130 143.2 89.7 166.7
 51 71.0 46.5 69.7#



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

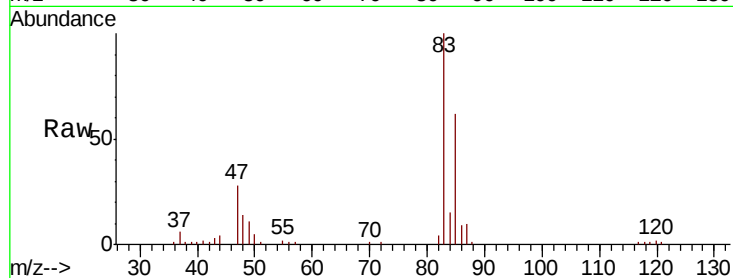




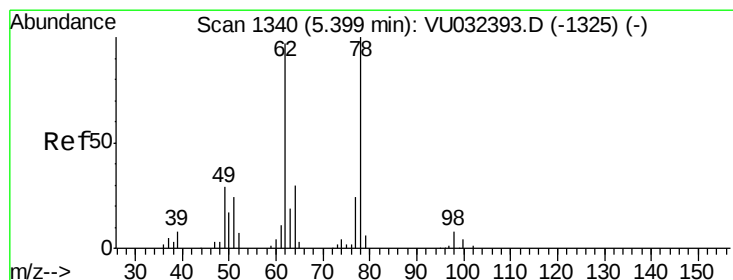
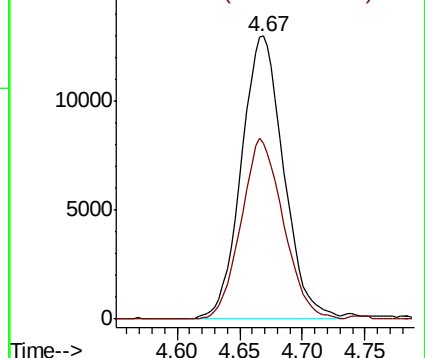
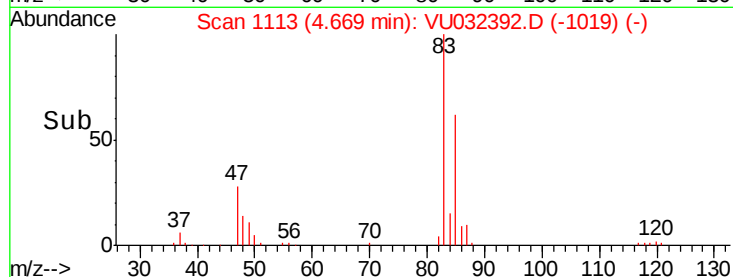
#25
Chloroform
Concen: 1.047 ug/L
RT: 4.67 min Scan# 1113
Delta R.T. 0.00 min
Lab File: VU032392.D
Acq: 03 Jun 2019 14:45

Instrument :
MSVOA_U
ClientSampleId :
VSTD00109

Tgt Ion: 83 Resp: 30505
Ion Ratio Lower Upper
83 100
85 62.3 45.3 84.1

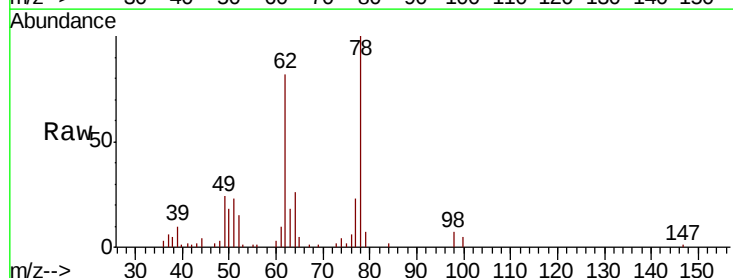


Abundance Ion 83.05 (82.75 to 83.75): VU032392.D (-1019) (-)
Ion 85.00 (84.70 to 85.70): VU032392.D (-1019) (-)

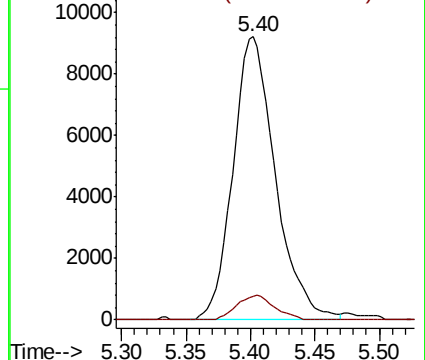
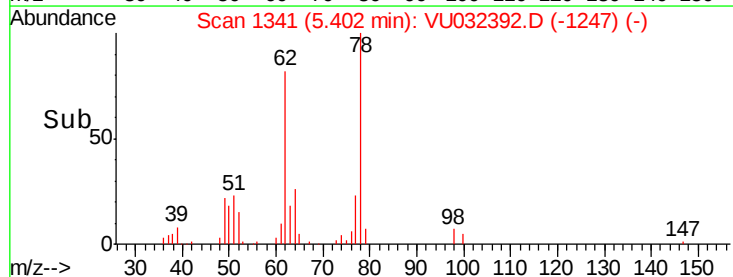


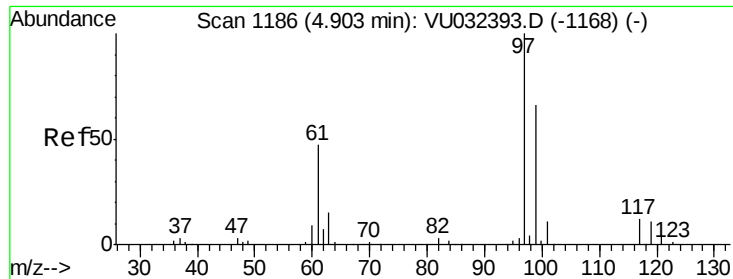
#27
1,2-Dichloroethane
Concen: 1.041 ug/L
RT: 5.40 min Scan# 1341
Delta R.T. 0.00 min
Lab File: VU032392.D
Acq: 03 Jun 2019 14:45

Tgt Ion: 62 Resp: 21088
Ion Ratio Lower Upper
62 100
98 8.5 6.2 9.4



Abundance Ion 62.00 (61.70 to 62.70): VU032392.D (-1247) (-)
Ion 98.05 (97.75 to 98.75): VU032392.D (-1247) (-)

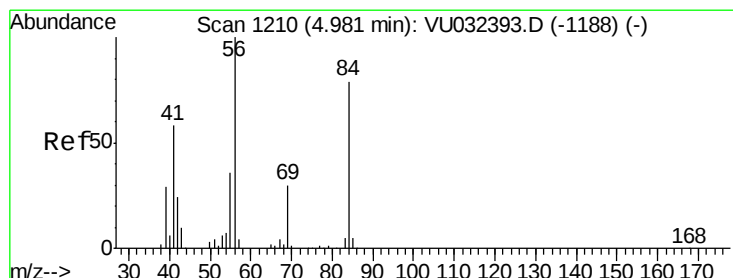
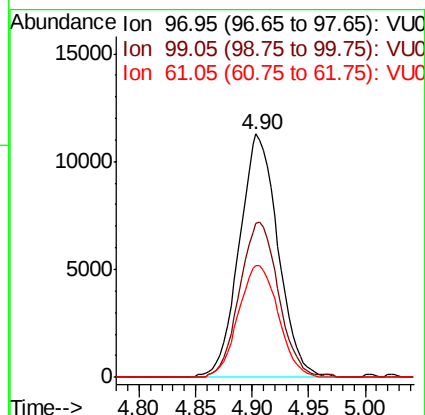
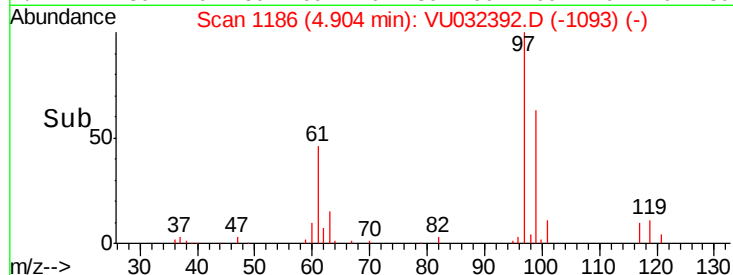
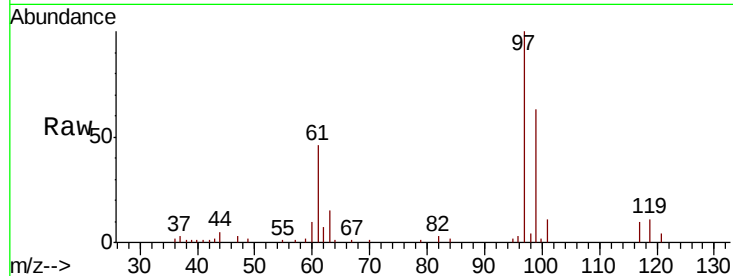




#29
 1,1,1-Trichloroethane
 Concen: 1.099 ug/L
 RT: 4.90 min Scan# 1186
 Delta R.T. 0.00 min
 Lab File: VU032392.D
 Acq: 03 Jun 2019 14:45

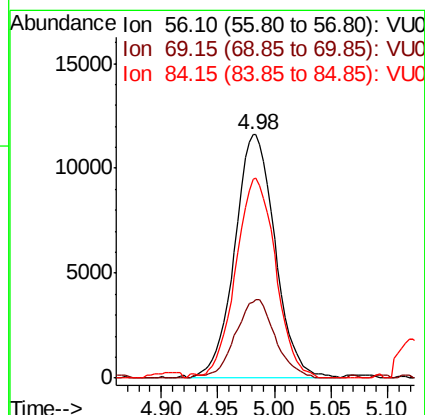
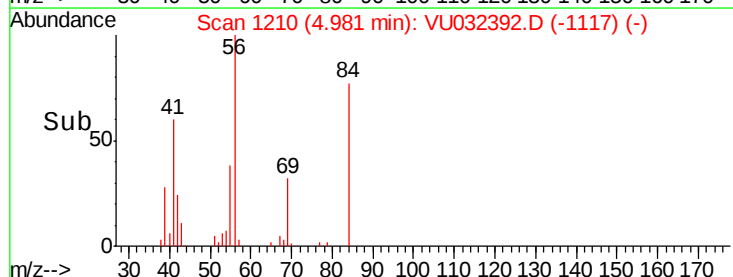
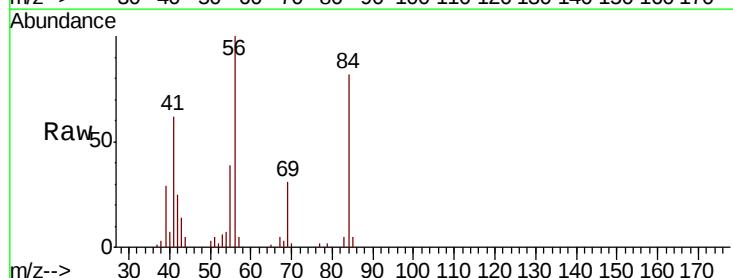
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00109

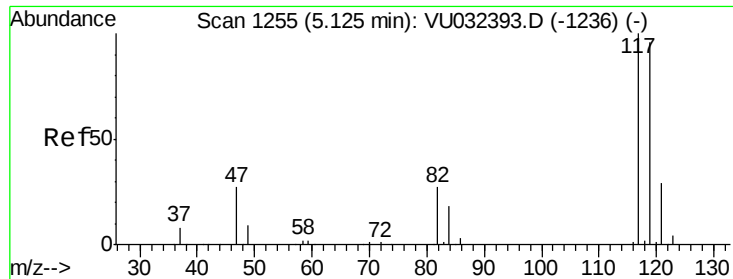
Tgt Ion: 97 Resp: 26892
 Ion Ratio Lower Upper
 97 100
 99 63.9 51.6 77.4
 61 47.3 37.7 56.5



#30
 Cyclohexane
 Concen: 1.080 ug/L
 RT: 4.98 min Scan# 1210
 Delta R.T. 0.00 min
 Lab File: VU032392.D
 Acq: 03 Jun 2019 14:45

Tgt Ion: 56 Resp: 28913
 Ion Ratio Lower Upper
 56 100
 69 31.8 24.2 36.4
 84 80.8 64.3 96.5





#31

Carbon tetrachloride

Concen: 1.094 ug/L

RT: 5.13 min Scan# 1255

Delta R.T. 0.00 min

Lab File: VU032392.D

Acq: 03 Jun 2019 14:45

Instrument :

MSVOA_U

ClientSampleId :

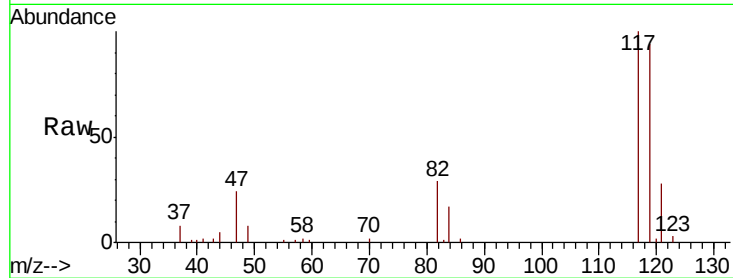
VSTD00109

Tgt Ion:117 Resp: 23715

Ion Ratio Lower Upper

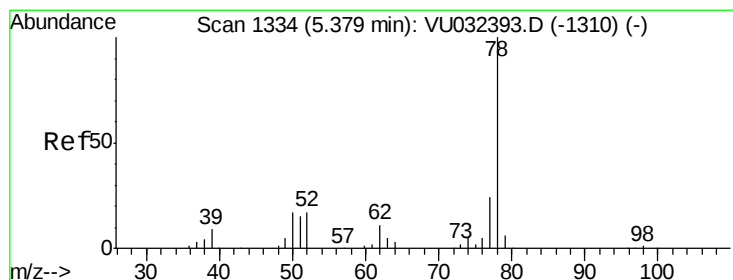
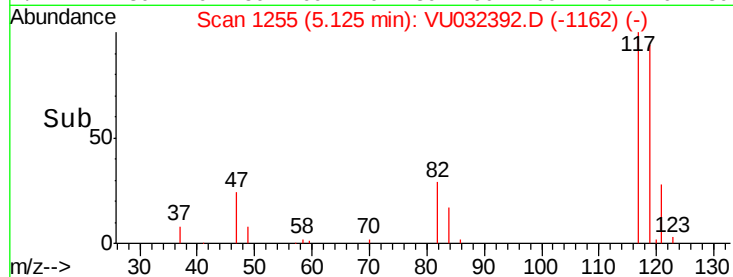
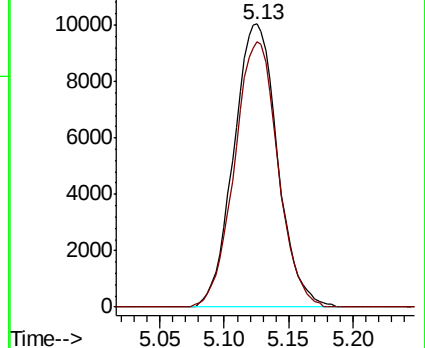
117 100

119 92.8 77.0 115.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 1.064 ug/L

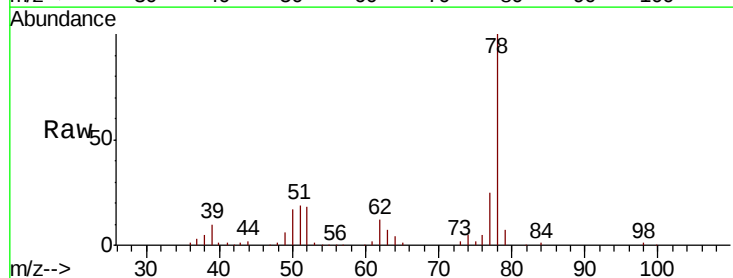
RT: 5.38 min Scan# 1335

Delta R.T. 0.00 min

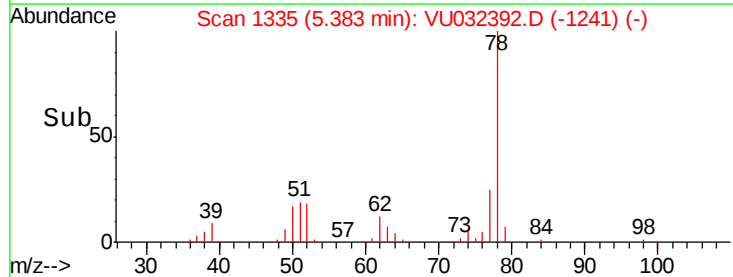
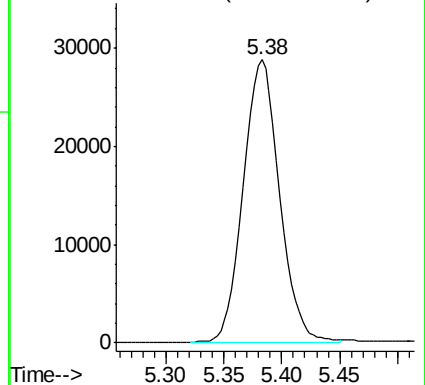
Lab File: VU032392.D

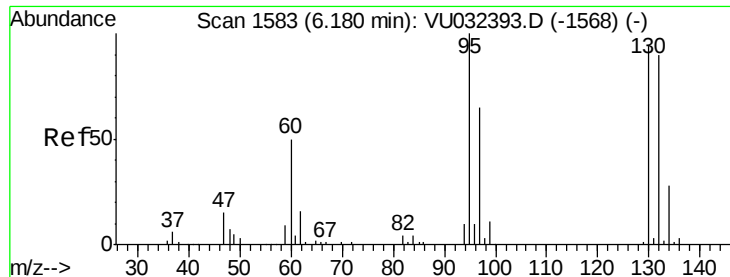
Acq: 03 Jun 2019 14:45

Tgt Ion: 78 Resp: 63064



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 1.047 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VU032392.D

Acq: 03 Jun 2019 14:45

Instrument :

MSVOA_U

ClientSampleId :

VSTD00109

Tgt Ion: 95 Resp: 16764

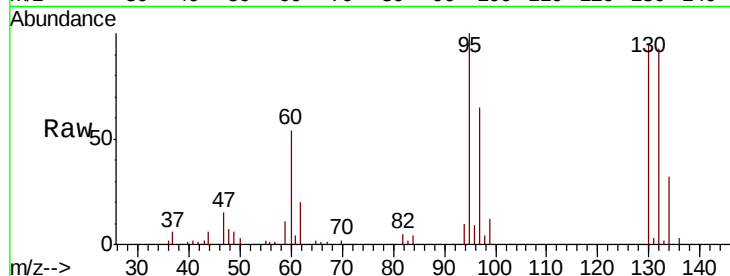
Ion Ratio Lower Upper

95 100

97 64.7 45.8 85.0

132 92.6 63.1 117.1

130 94.6 66.0 122.6

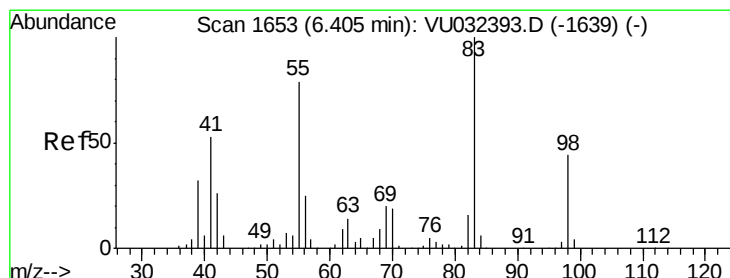
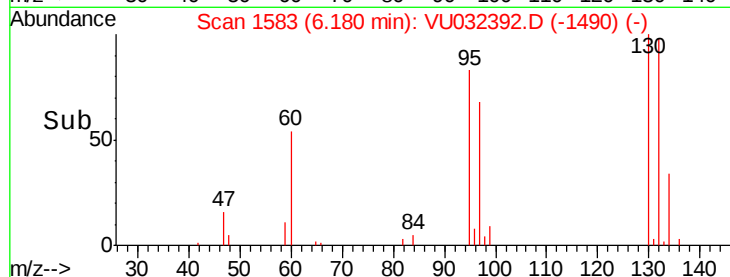
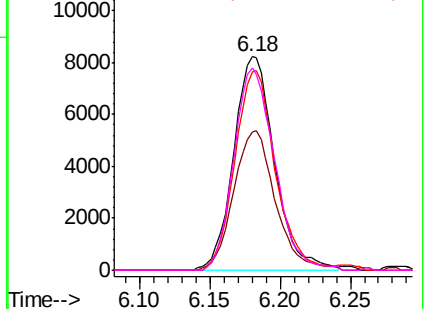


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 1.069 ug/L

RT: 6.41 min Scan# 1653

Delta R.T. 0.00 min

Lab File: VU032392.D

Acq: 03 Jun 2019 14:45

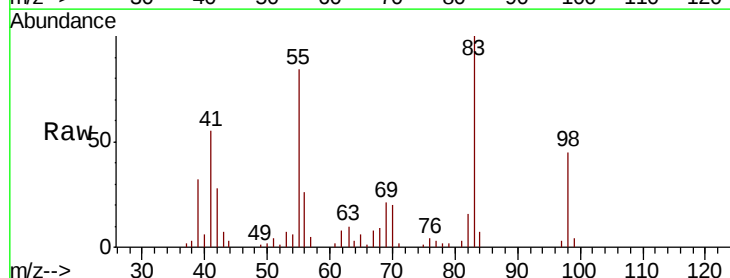
Tgt Ion: 83 Resp: 28895

Ion Ratio Lower Upper

83 100

55 79.4 64.7 97.1

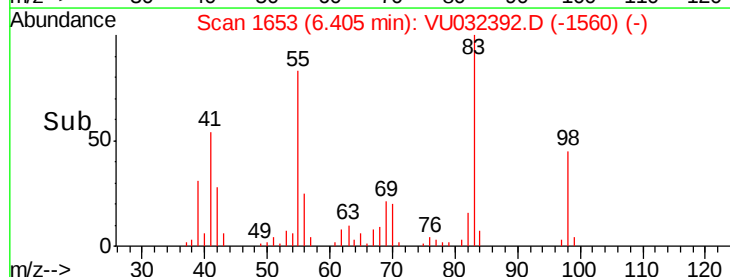
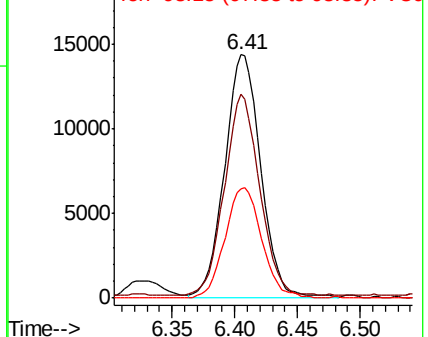
98 46.2 35.9 53.9

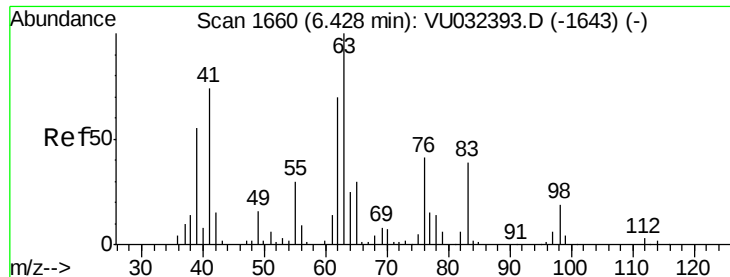


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

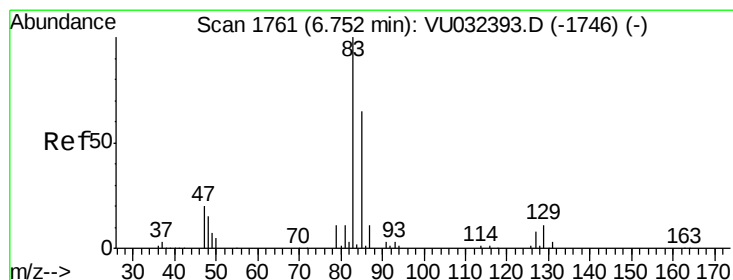
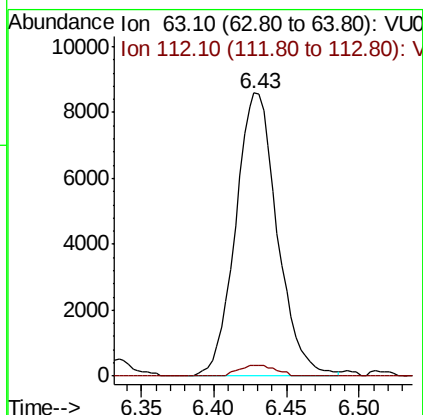
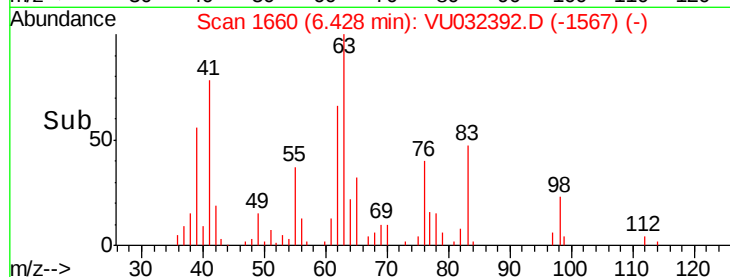
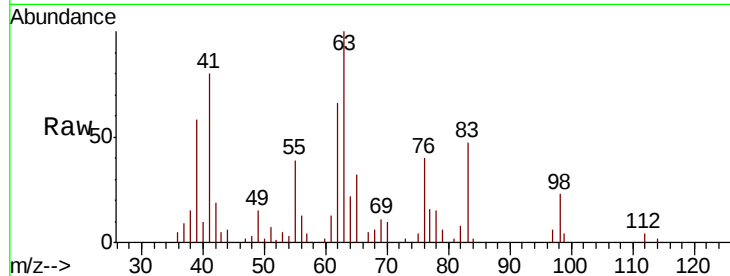




#37
 1,2-Dichloropropane
 Concen: 1.073 ug/L
 RT: 6.43 min Scan# 1660
 Delta R.T. 0.00 min
 Lab File: VU032392.D
 Acq: 03 Jun 2019 14:45

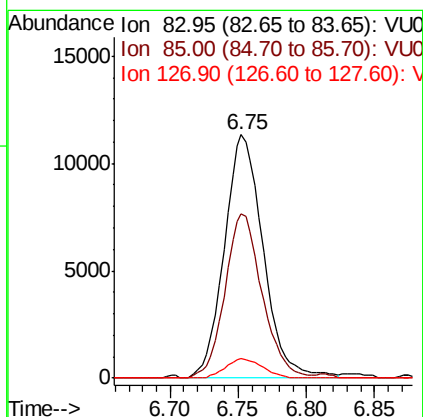
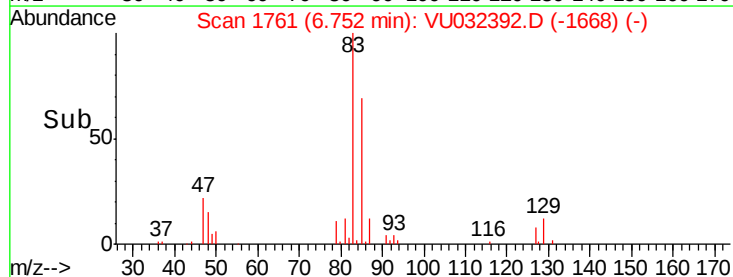
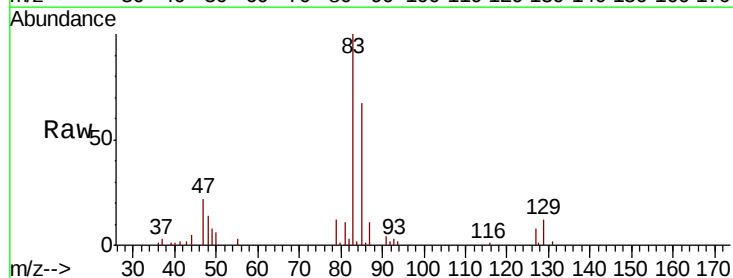
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00109

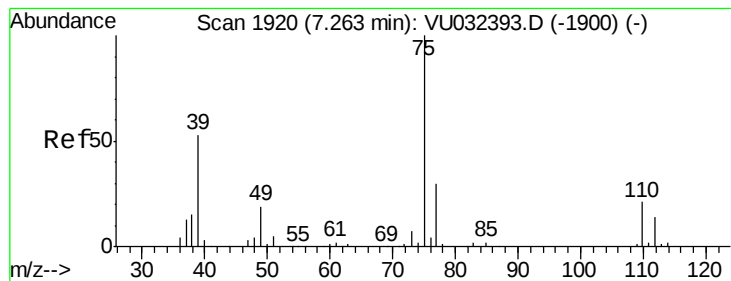
Tgt Ion: 63 Resp: 17185
 Ion Ratio Lower Upper
 63 100
 112 3.4 2.6 4.0



#38
 Bromodichloromethane
 Concen: 1.060 ug/L
 RT: 6.75 min Scan# 1761
 Delta R.T. 0.00 min
 Lab File: VU032392.D
 Acq: 03 Jun 2019 14:45

Tgt Ion: 83 Resp: 22496
 Ion Ratio Lower Upper
 83 100
 85 67.3 45.4 84.4
 127 8.1 6.5 9.7



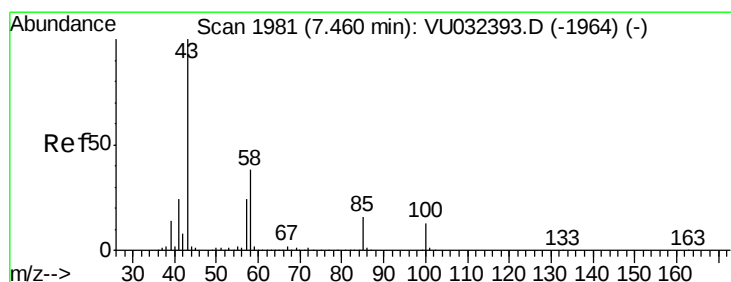
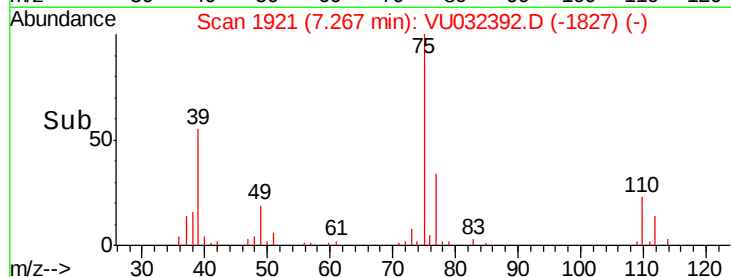
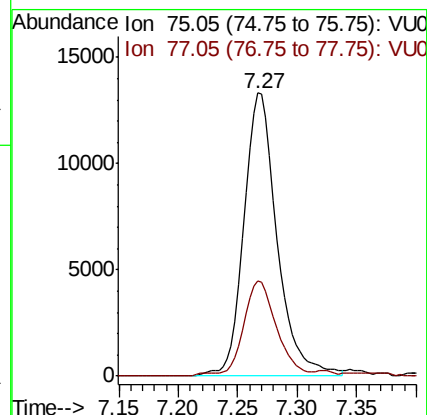
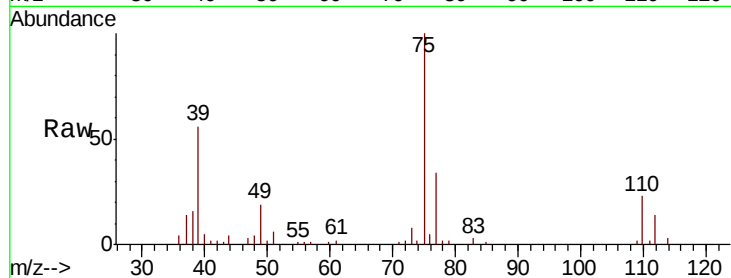


#39

cis-1,3-Dichloropropene
 Concen: 0.983 ug/L
 RT: 7.27 min Scan# 1921
 Delta R.T. 0.00 min
 Lab File: VU032392.D
 Acq: 03 Jun 2019 14:45

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00109

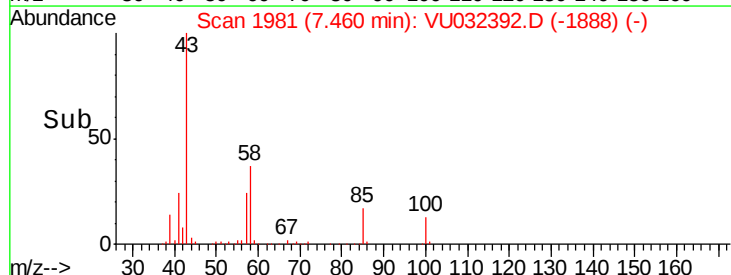
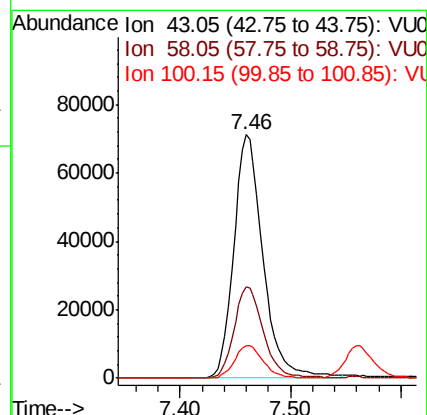
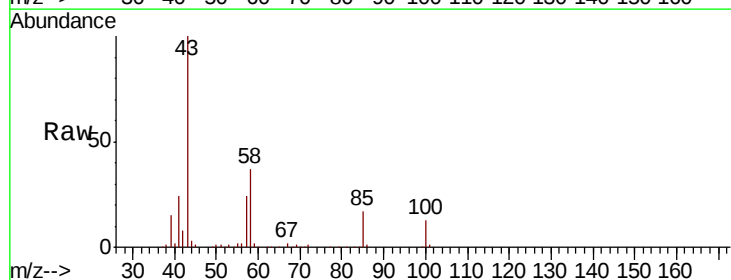
Tgt Ion: 75 Resp: 25865
 Ion Ratio Lower Upper
 75 100
 77 33.6 21.1 39.1

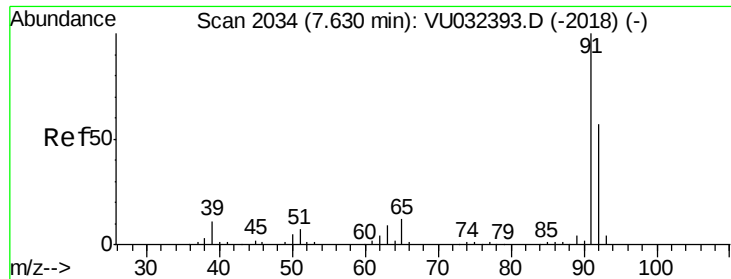


#40

4-Methyl-2-pentanone
 Concen: 10.661 ug/L
 RT: 7.46 min Scan# 1981
 Delta R.T. 0.00 min
 Lab File: VU032392.D
 Acq: 03 Jun 2019 14:45

Tgt Ion: 43 Resp: 129689
 Ion Ratio Lower Upper
 43 100
 58 37.8 30.3 45.5
 100 13.2 10.3 15.5





#42

Toluene

Concen: 1.044 ug/L

RT: 7.63 min Scan# 2034

Delta R.T. 0.00 min

Lab File: VU032392.D

Acq: 03 Jun 2019 14:45

Instrument :

MSVOA_U

ClientSampleId :

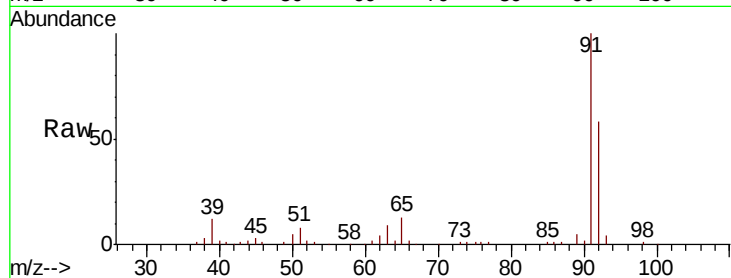
VSTD00109

Tgt Ion: 91 Resp: 67685

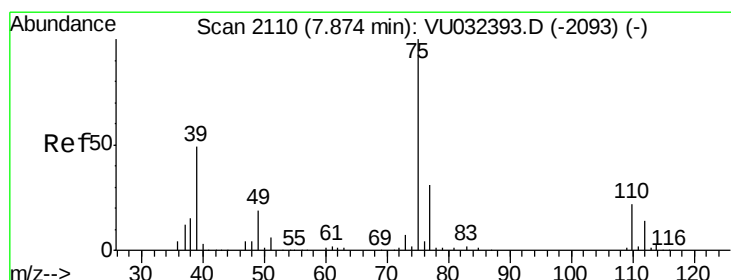
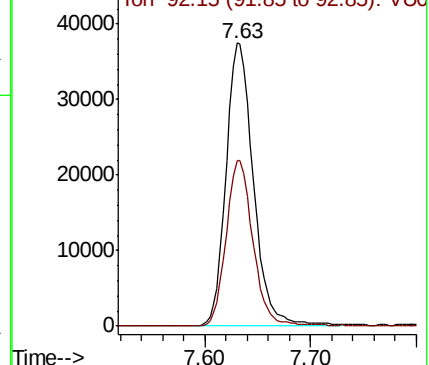
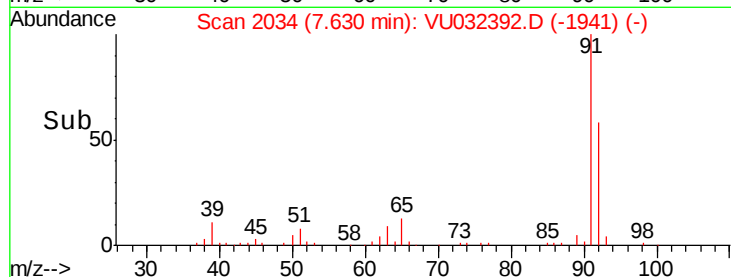
Ion Ratio Lower Upper

91 100

92 58.3 40.0 74.2



Abundance Ion 91.15 (90.85 to 91.85): VU032392.D (-1941) (-)



#44

trans-1,3-Dichloropropene

Concen: 1.036 ug/L

RT: 7.88 min Scan# 2111

Delta R.T. 0.00 min

Lab File: VU032392.D

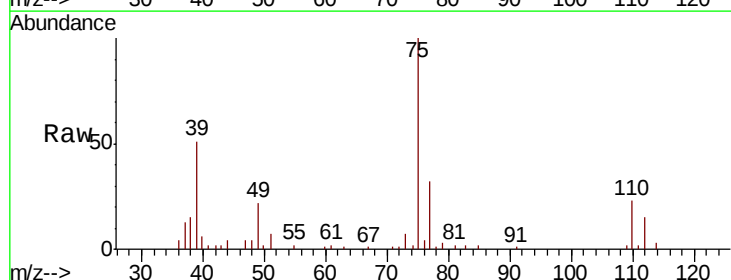
Acq: 03 Jun 2019 14:45

Tgt Ion: 75 Resp: 22072

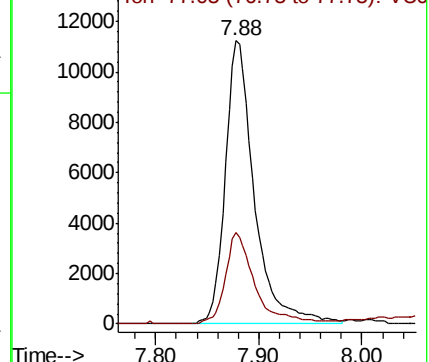
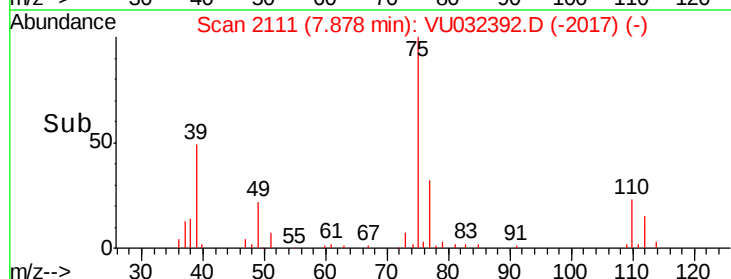
Ion Ratio Lower Upper

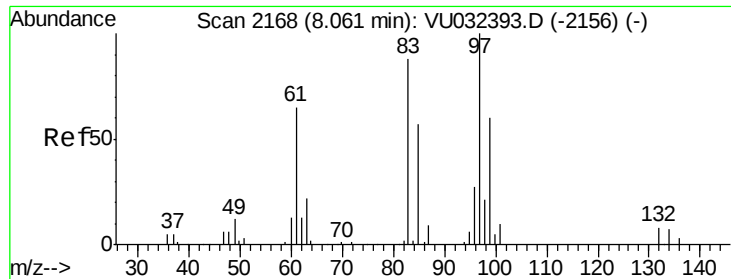
75 100

77 32.1 22.0 40.8



Abundance Ion 75.05 (74.75 to 75.75): VU032392.D (-2017) (-)

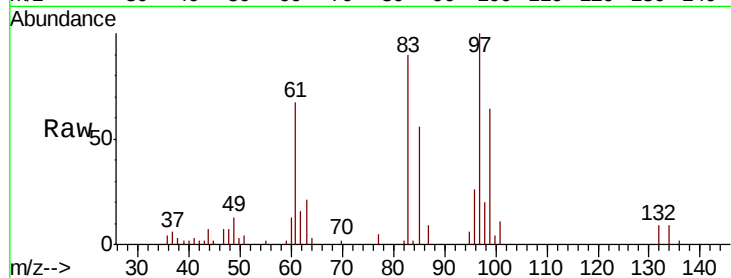




#45
 1,1,2-Trichloroethane
 Concen: 1.062 ug/L
 RT: 8.06 min Scan# 2169
 Delta R.T. 0.00 min
 Lab File: VU032392.D
 Acq: 03 Jun 2019 14:45

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00109

Tgt Ion:	97	Resp:	12019
Ion	Ratio	Lower	Upper
97	100		
99	63.8	42.2	78.4
83	90.0	61.9	114.9
85	56.4	39.7	73.7



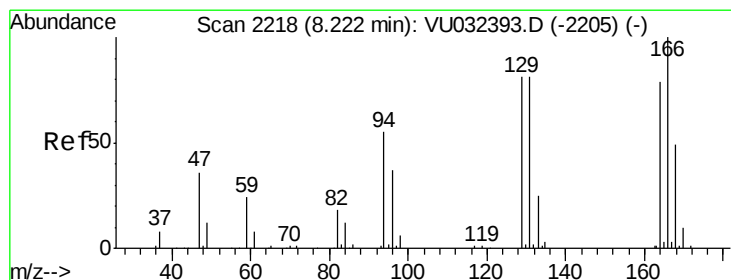
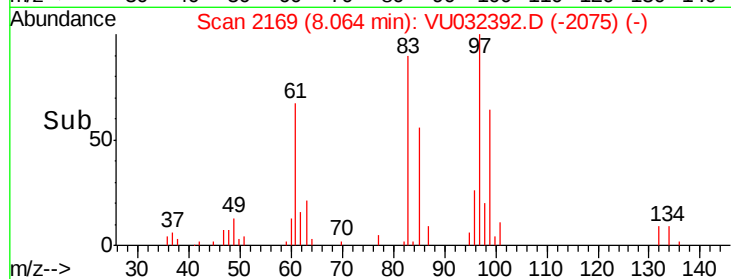
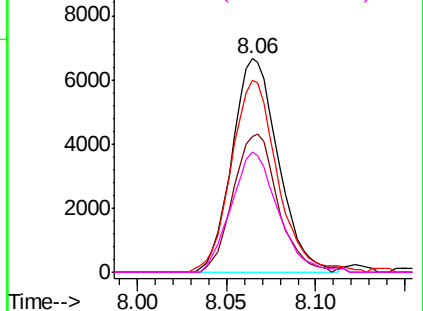
Abundance

Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

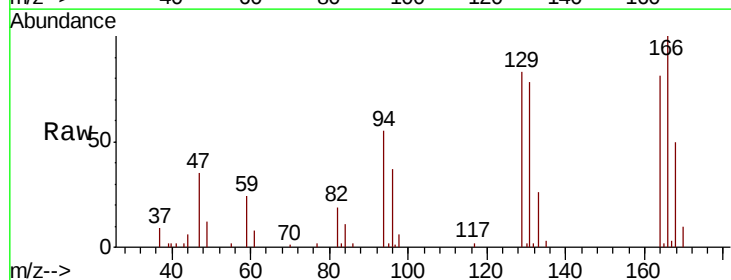
Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



#47
 Tetrachloroethene
 Concen: 1.040 ug/L
 RT: 8.22 min Scan# 2218
 Delta R.T. 0.00 min
 Lab File: VU032392.D
 Acq: 03 Jun 2019 14:45

Tgt Ion:	164	Resp:	11614
Ion	Ratio	Lower	Upper
164	100		
129	102.4	72.1	133.9
131	96.3	71.9	133.5
166	123.7	89.0	165.4



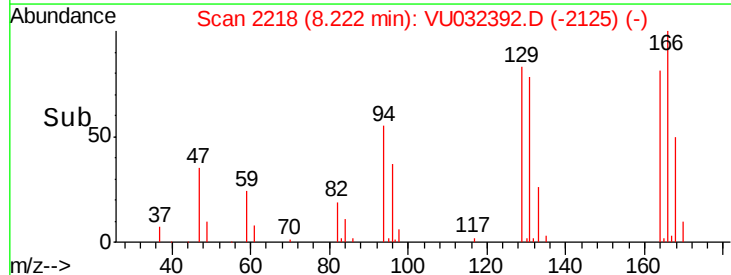
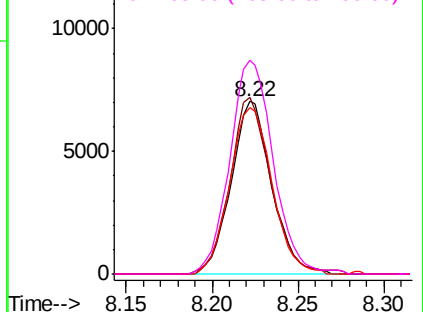
Abundance

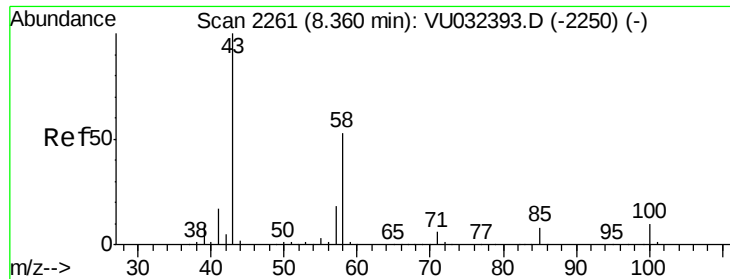
Ion 163.90 (163.60 to 164.60): V

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

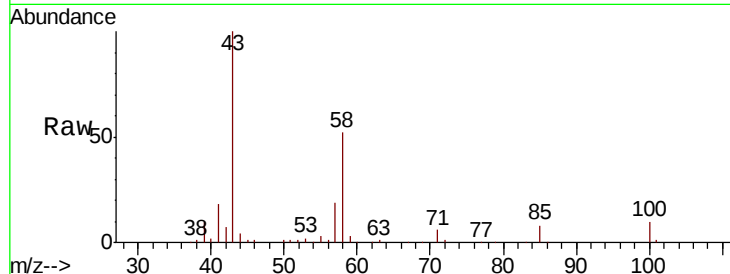




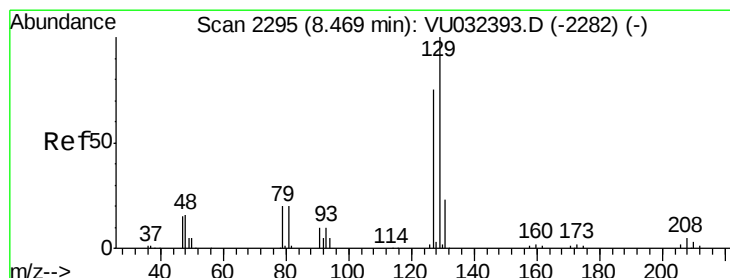
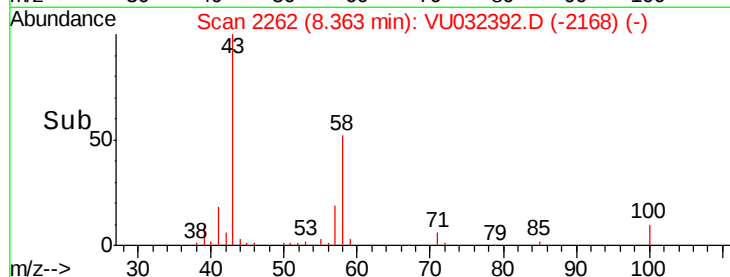
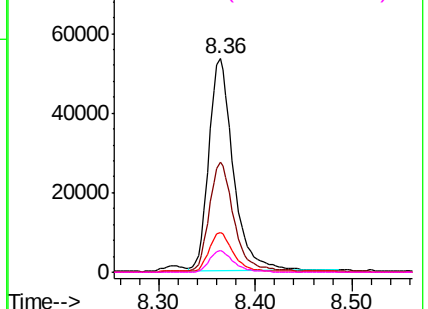
#48
2-Hexanone
Concen: 10.606 ug/L
RT: 8.36 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VU032392.D
Acq: 03 Jun 2019 14:45

Instrument :
MSVOA_U
ClientSampleId :
VSTD00109

Tgt Ion: 43 Resp: 94363
Ion Ratio Lower Upper
43 100
58 50.8 41.3 61.9
57 18.1 14.5 21.7
100 10.1 8.2 12.2

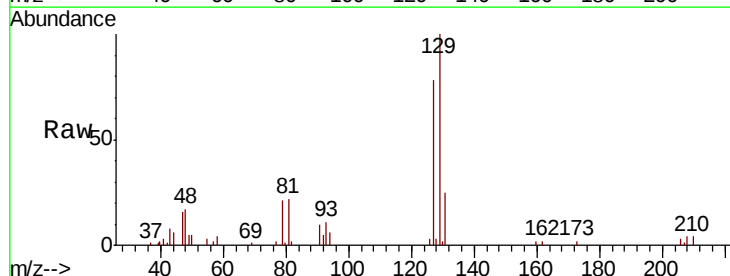


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

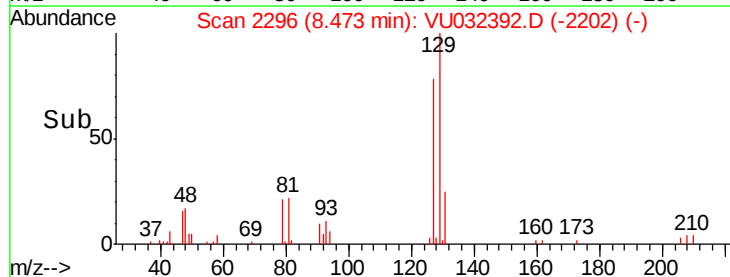
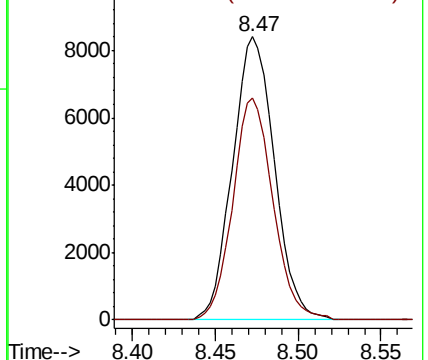


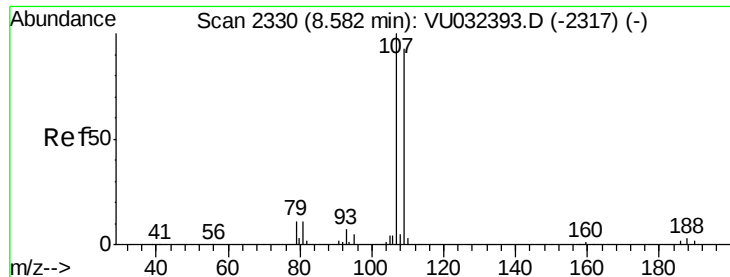
#49
Dibromochloromethane
Concen: 1.039 ug/L
RT: 8.47 min Scan# 2296
Delta R.T. 0.00 min
Lab File: VU032392.D
Acq: 03 Jun 2019 14:45

Tgt Ion: 129 Resp: 14753
Ion Ratio Lower Upper
129 100
127 78.4 52.6 97.8



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

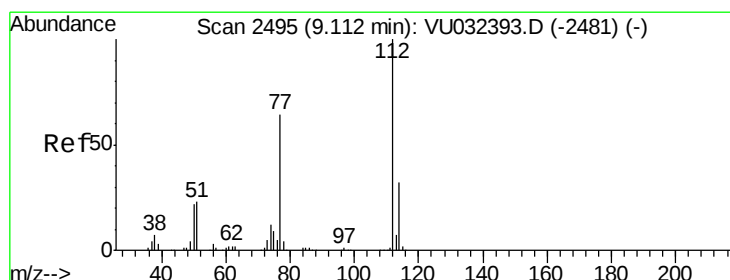
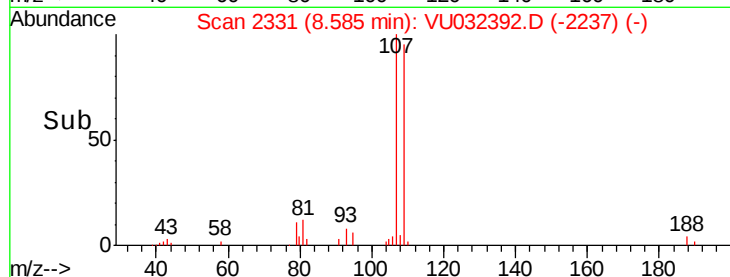
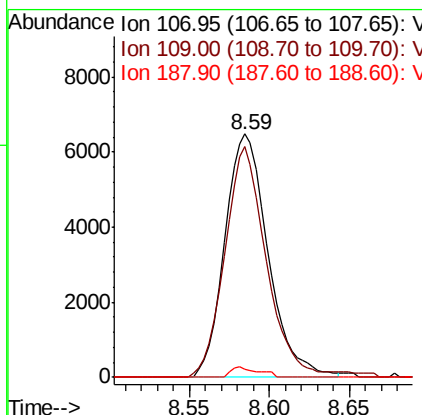
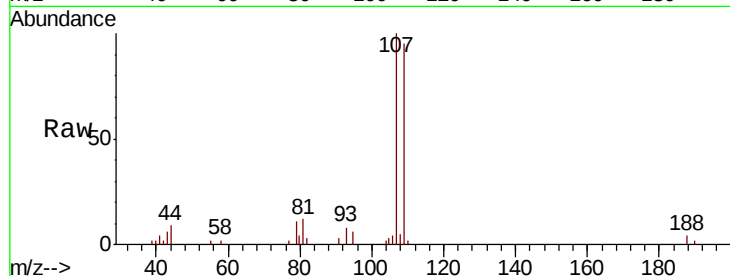




#50
1,2-Dibromoethane
Concen: 1.070 ug/L
RT: 8.59 min Scan# 2331
Delta R.T. 0.00 min
Lab File: VU032392.D
Acq: 03 Jun 2019 14:45

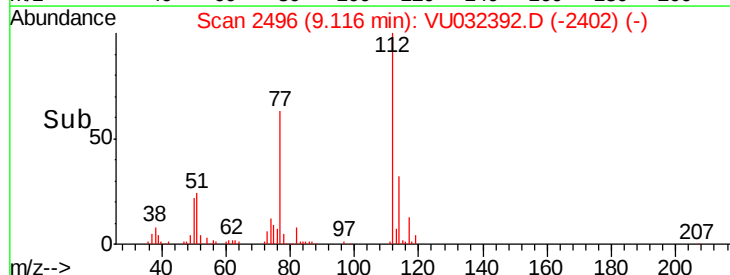
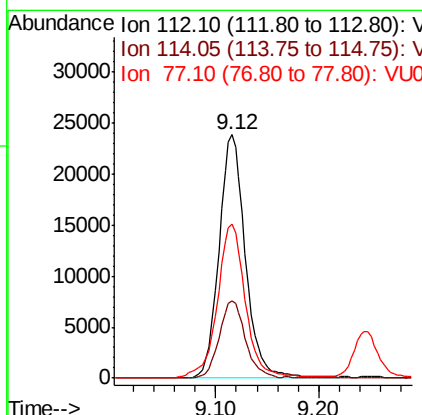
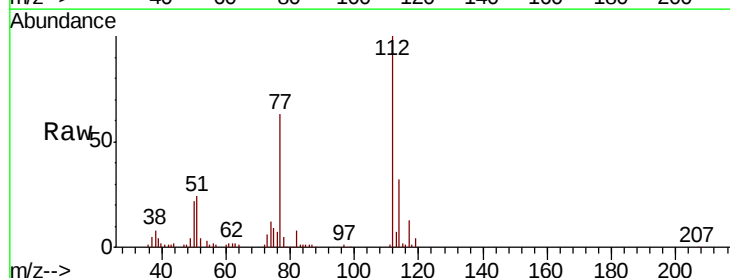
Instrument :
MSVOA_U
ClientSampleId :
VSTD00109

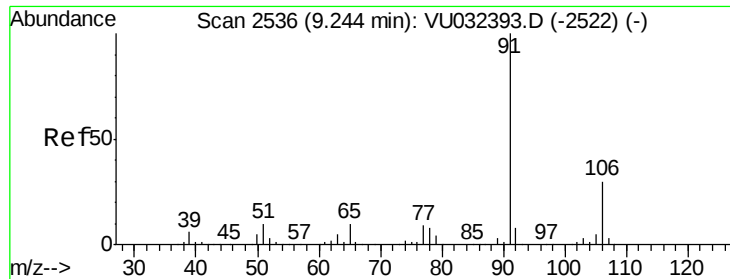
Tgt Ion:107 Resp: 11956
Ion Ratio Lower Upper
107 100
109 94.8 65.3 121.3
188 3.5 2.6 3.8



#51
Chlorobenzene
Concen: 1.063 ug/L
RT: 9.12 min Scan# 2496
Delta R.T. 0.00 min
Lab File: VU032392.D
Acq: 03 Jun 2019 14:45

Tgt Ion:112 Resp: 42306
Ion Ratio Lower Upper
112 100
114 31.8 22.1 41.1
77 63.1 51.0 76.6





#52

Ethylbenzene

Concen: 1.055 ug/L

RT: 9.24 min Scan# 2536

Delta R.T. 0.00 min

Lab File: VU032392.D

Acq: 03 Jun 2019 14:45

Instrument :

MSVOA_U

ClientSampleId :

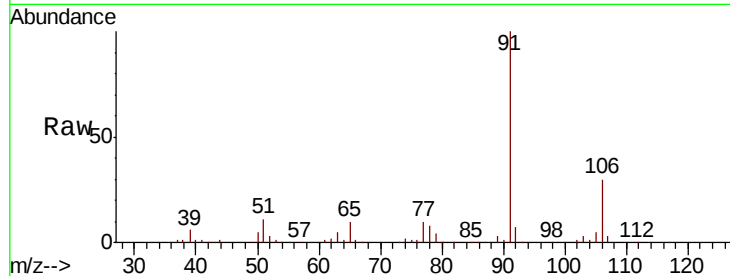
VSTD00109

Tgt Ion: 91 Resp: 77717

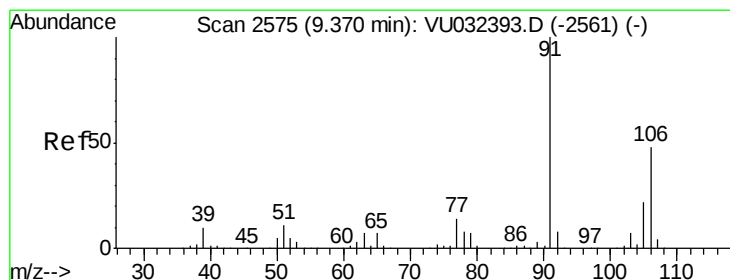
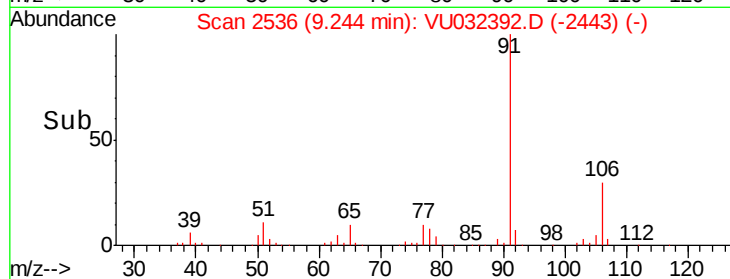
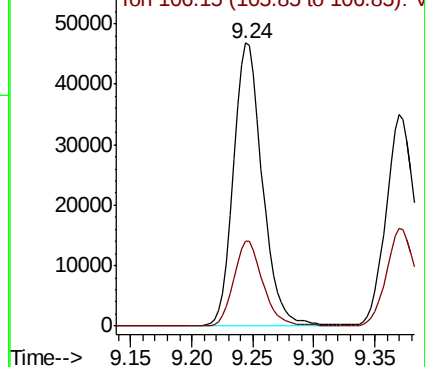
Ion Ratio Lower Upper

91 100

106 30.2 21.1 39.3



Abundance Ion 91.15 (90.85 to 91.85): VU032392.D (-2443) (-)



#53

m,p-Xylene

Concen: 1.036 ug/L

RT: 9.37 min Scan# 2575

Delta R.T. 0.00 min

Lab File: VU032392.D

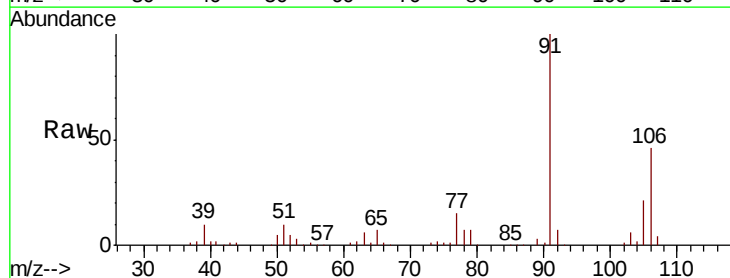
Acq: 03 Jun 2019 14:45

Tgt Ion: 106 Resp: 28296

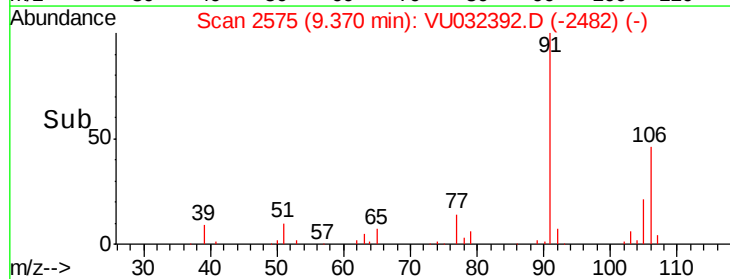
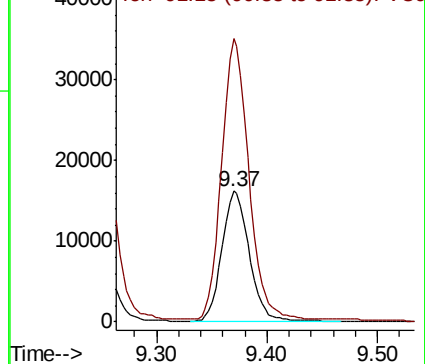
Ion Ratio Lower Upper

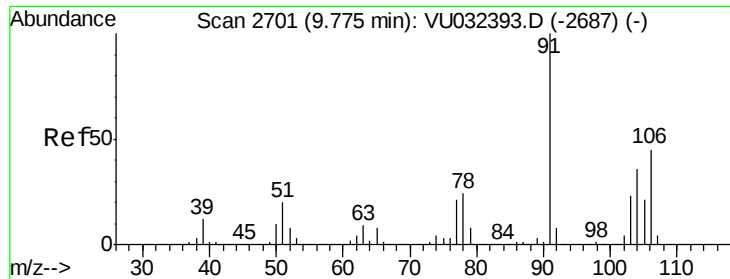
106 100

91 216.7 144.8 269.0



Abundance Ion 106.15 (105.85 to 106.85): VU032392.D (-2482) (-)





#54

o-Xylene

Concen: 1.052 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VU032392.D

Acq: 03 Jun 2019 14:45

Instrument :

MSVOA_U

ClientSampleId :

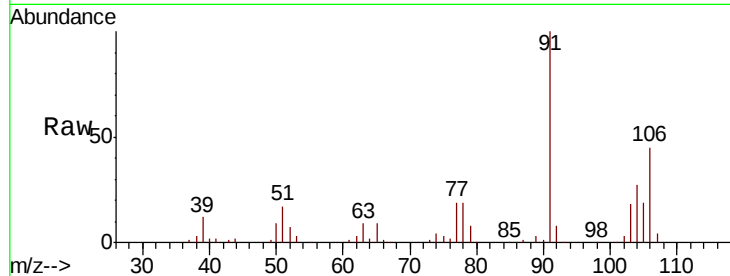
VSTD00109

Tgt Ion:106 Resp: 28404

Ion Ratio Lower Upper

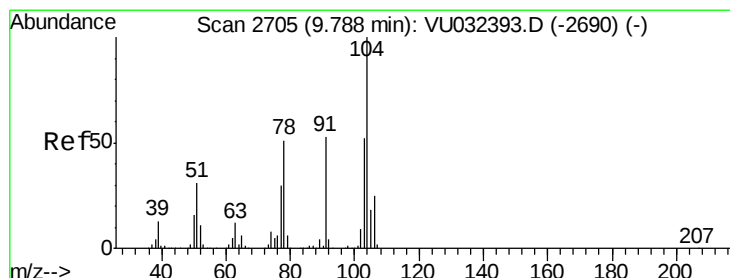
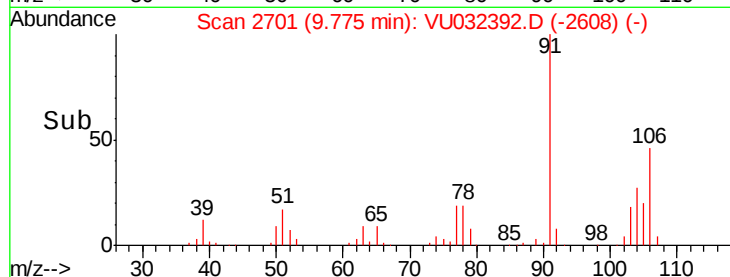
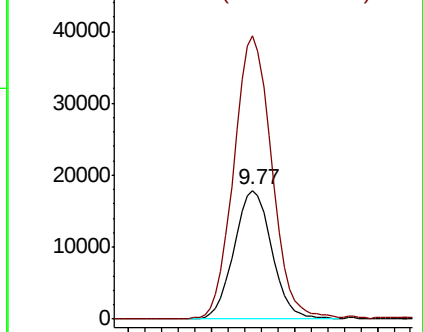
106 100

91 220.0 156.9 291.3



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#55

Styrene

Concen: 1.008 ug/L

RT: 9.79 min Scan# 2706

Delta R.T. 0.00 min

Lab File: VU032392.D

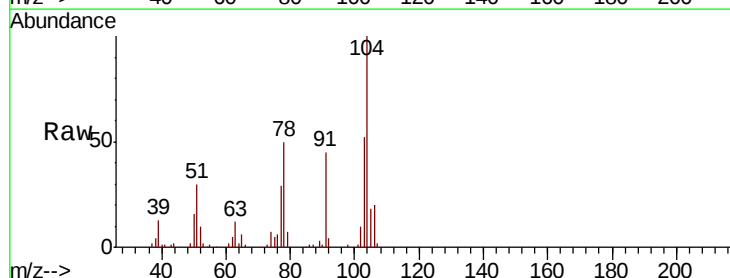
Acq: 03 Jun 2019 14:45

Tgt Ion:104 Resp: 45742

Ion Ratio Lower Upper

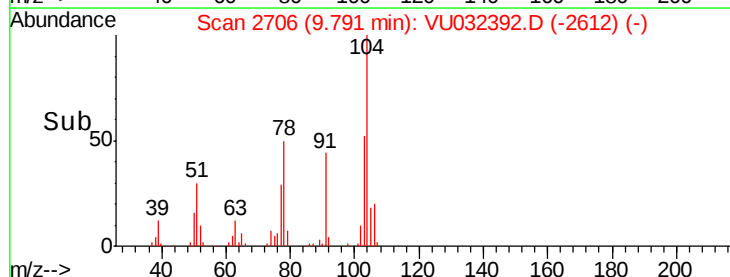
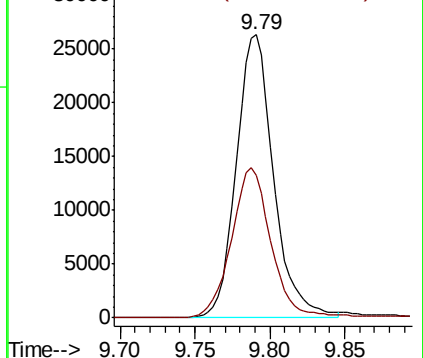
104 100

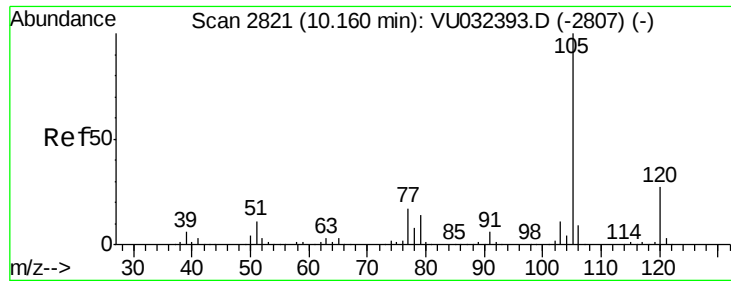
78 50.2 35.5 65.9



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 1.039 ug/L

RT: 10.16 min Scan# 2821

Delta R.T. 0.00 min

Lab File: VU032392.D

Acq: 03 Jun 2019 14:45

Instrument :

MSVOA_U

ClientSampleId :

VSTD00109

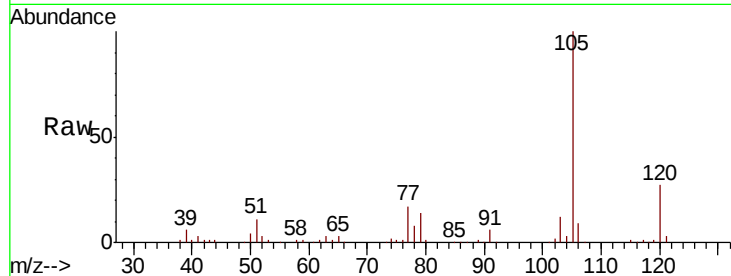
Tgt Ion: 105 Resp: 73917

Ion Ratio Lower Upper

105 100

120 26.6 20.9 31.3

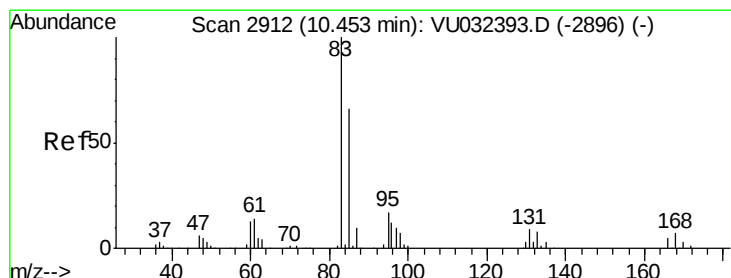
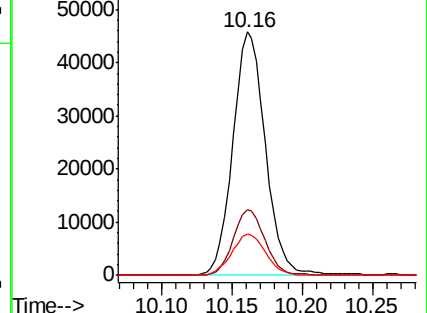
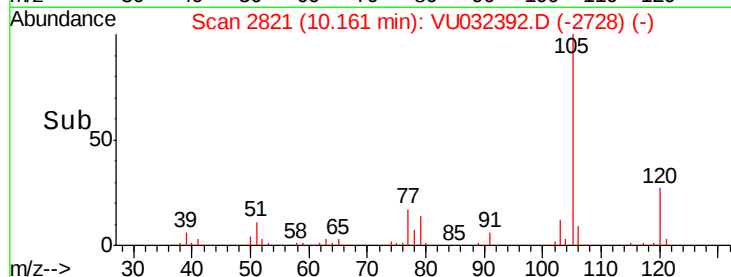
77 17.7 13.4 20.2



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: 1.067 ug/L

RT: 10.45 min Scan# 2912

Delta R.T. 0.00 min

Lab File: VU032392.D

Acq: 03 Jun 2019 14:45

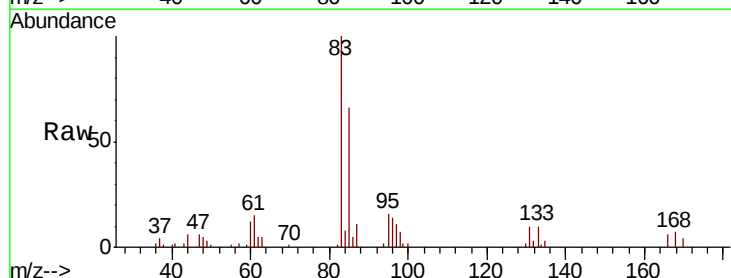
Tgt Ion: 83 Resp: 15916

Ion Ratio Lower Upper

83 100

85 66.2 46.5 86.5

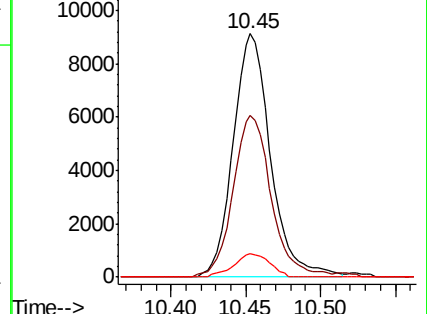
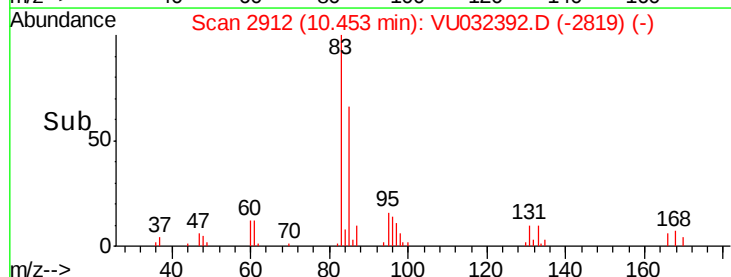
131 9.8 7.4 11.2

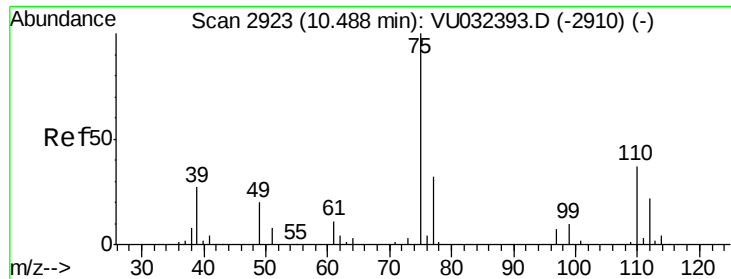


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V

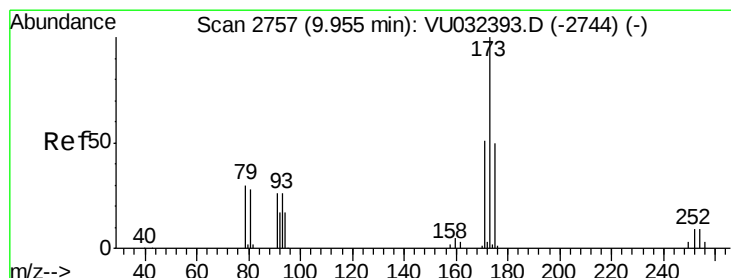
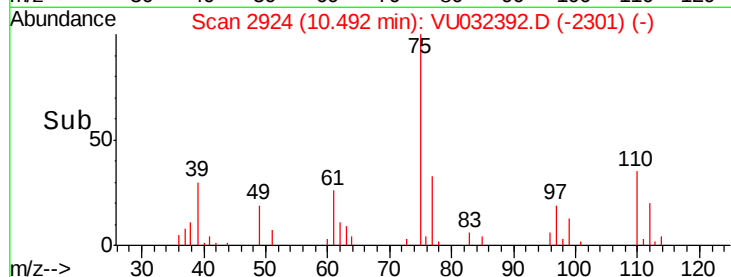
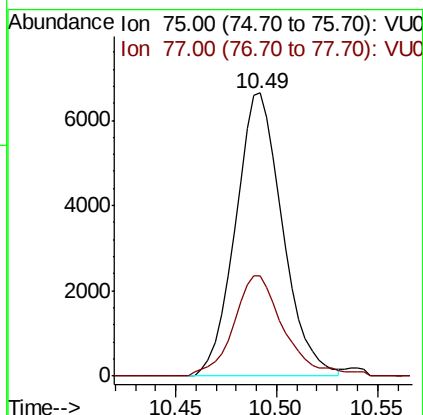
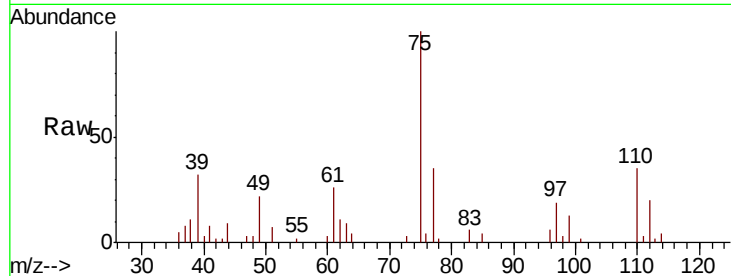




#59
 1,2,3-Trichloropropane
 Concen: 1.025 ug/L
 RT: 10.49 min Scan# 2924
 Delta R.T. 0.00 min
 Lab File: VU032392.D
 Acq: 03 Jun 2019 14:45

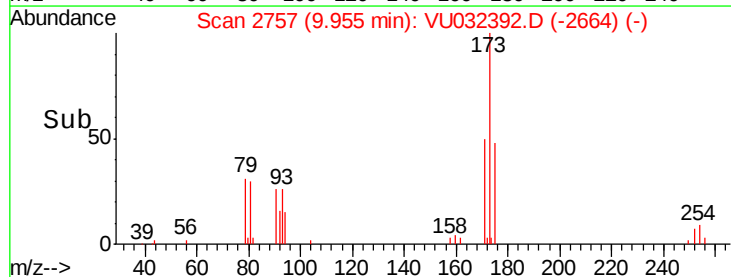
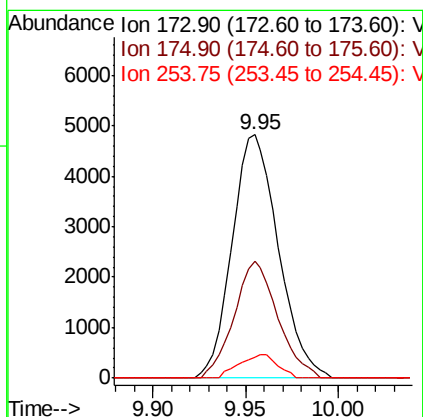
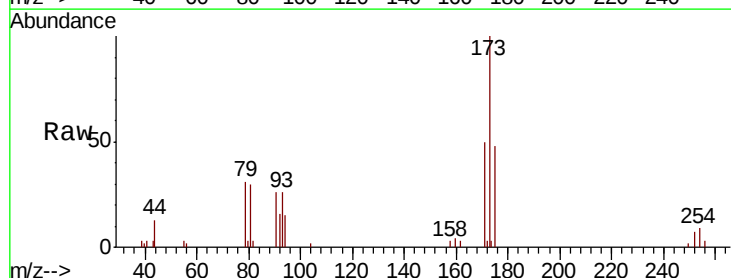
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00109

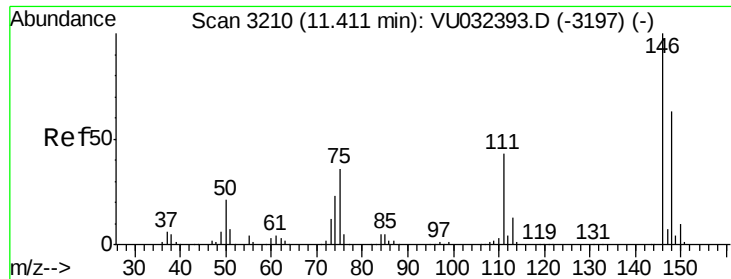
Tgt Ion: 75 Resp: 10841
 Ion Ratio Lower Upper
 75 100
 77 38.0 26.1 39.1



#61
 Bromoform
 Concen: 1.037 ug/L
 RT: 9.95 min Scan# 2757
 Delta R.T. 0.00 min
 Lab File: VU032392.D
 Acq: 03 Jun 2019 14:45

Tgt Ion: 173 Resp: 8351
 Ion Ratio Lower Upper
 173 100
 175 45.3 38.6 58.0
 254 8.0 7.4 11.0

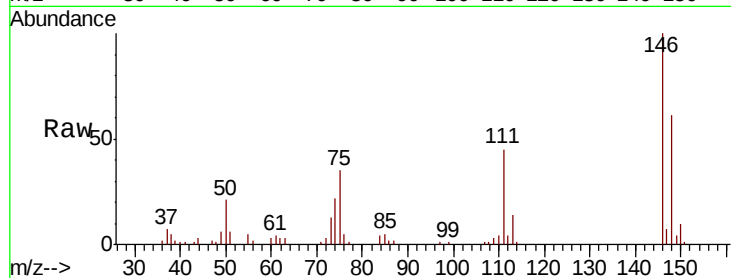




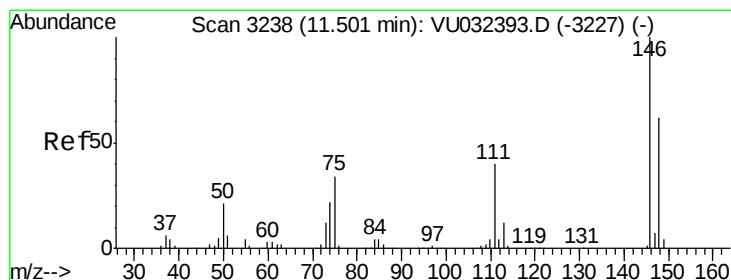
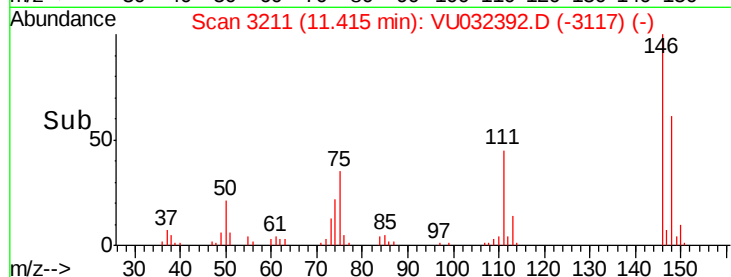
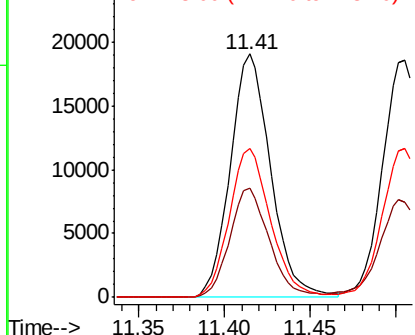
#62
 1,3-Dichlorobenzene
 Concen: 1.032 ug/L
 RT: 11.41 min Scan# 3211
 Delta R.T. 0.00 min
 Lab File: VU032392.D
 Acq: 03 Jun 2019 14:45

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00109

Tgt Ion:146 Resp: 31280
 Ion Ratio Lower Upper
 146 100
 111 44.7 29.8 55.3
 148 61.4 44.2 82.0

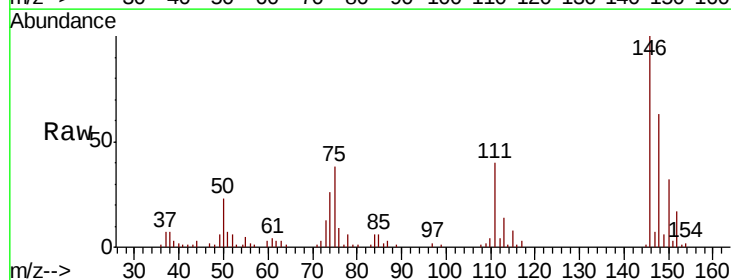


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

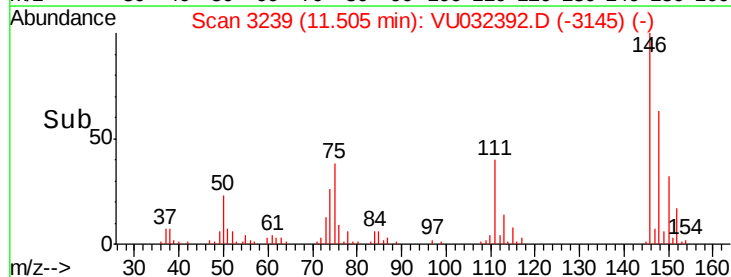
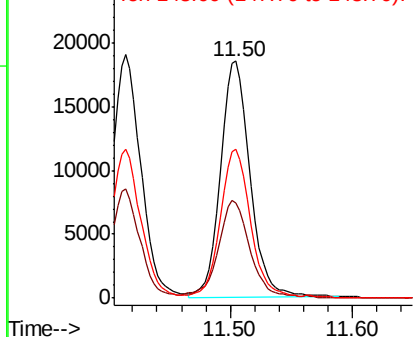


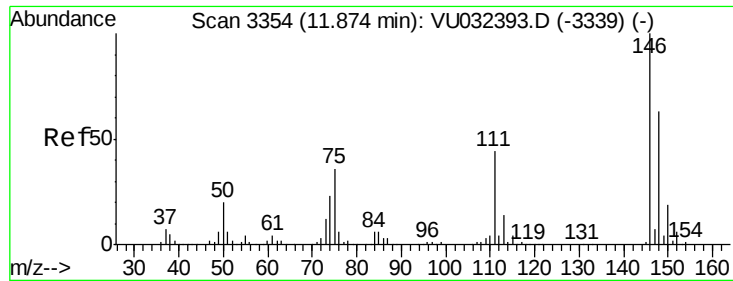
#63
 1,4-Dichlorobenzene
 Concen: 1.039 ug/L
 RT: 11.50 min Scan# 3239
 Delta R.T. 0.00 min
 Lab File: VU032392.D
 Acq: 03 Jun 2019 14:45

Tgt Ion:146 Resp: 31564
 Ion Ratio Lower Upper
 146 100
 111 40.2 28.6 53.2
 148 62.8 43.3 80.3



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: 1.047 ug/L

RT: 11.87 min Scan# 3354

Delta R.T. 0.00 min

Lab File: VU032392.D

Acq: 03 Jun 2019 14:45

Instrument :

MSVOA_U

ClientSampleId :

VSTD00109

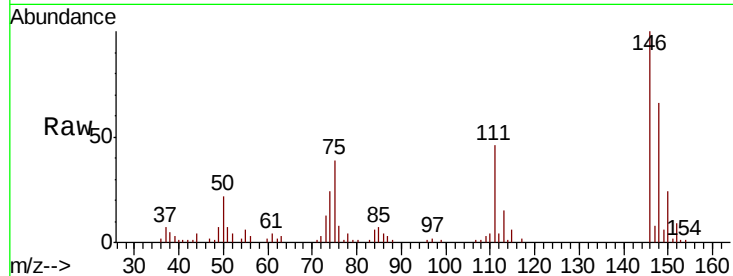
Tgt Ion:146 Resp: 30169

Ion Ratio Lower Upper

146 100

111 46.4 35.2 52.8

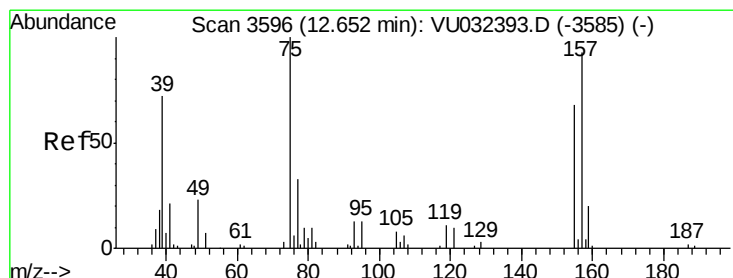
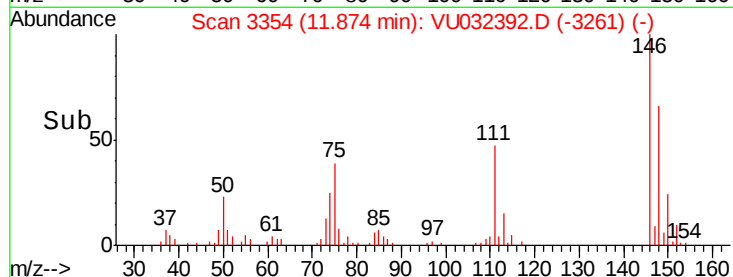
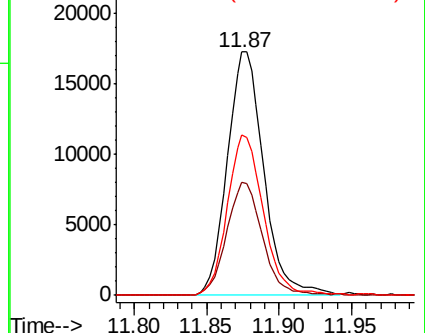
148 65.9 50.3 75.5



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



#66

1,2-Dibromo-3-chloropropane

Concen: 0.995 ug/L

RT: 12.66 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VU032392.D

Acq: 03 Jun 2019 14:45

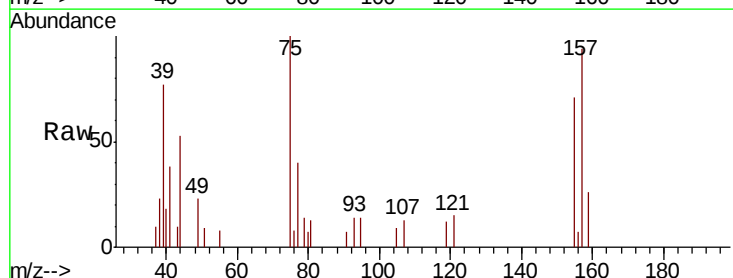
Tgt Ion: 75 Resp: 2822

Ion Ratio Lower Upper

75 100

155 71.1 54.8 82.2

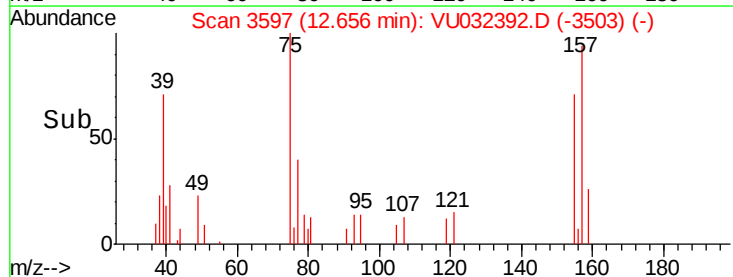
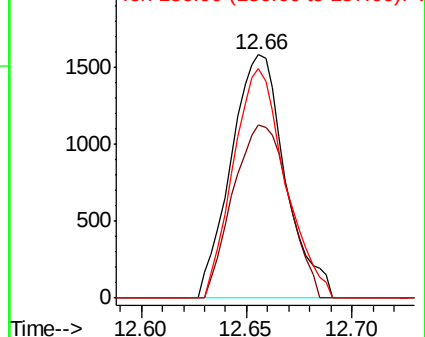
157 94.4 74.7 112.1

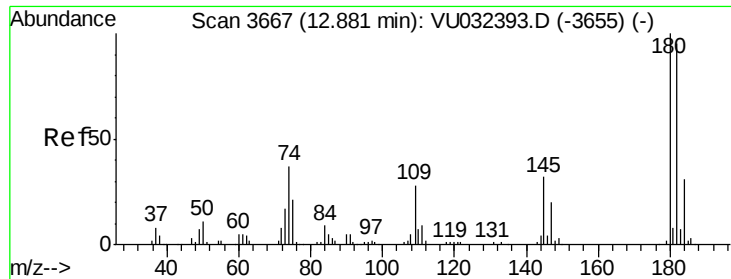


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

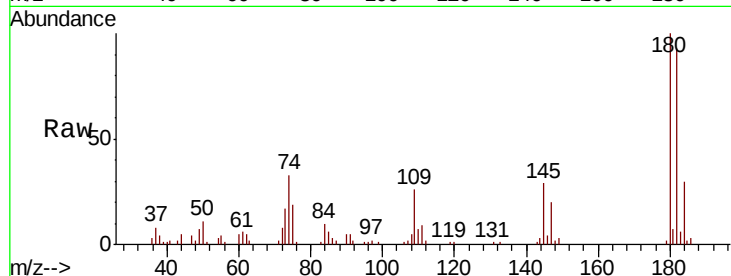




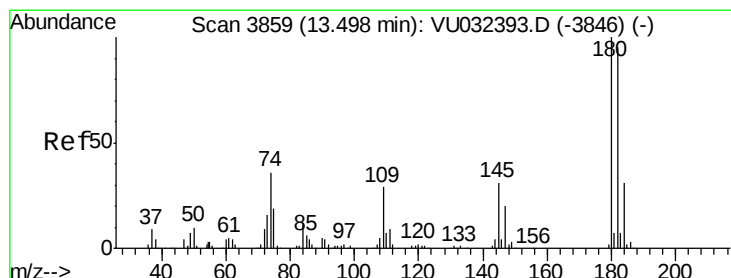
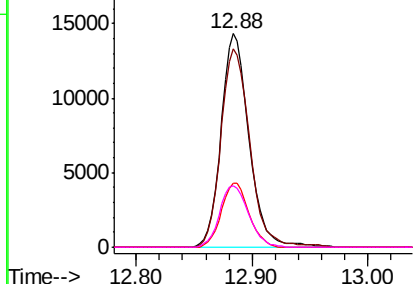
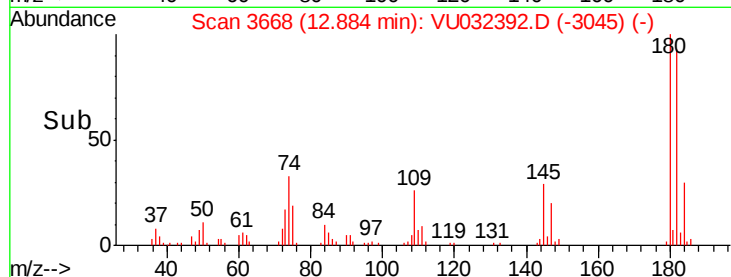
#67
 1,3,5-Trichlorobenzene
 Concen: 1.018 ug/L
 RT: 12.88 min Scan# 3668
 Delta R.T. 0.00 min
 Lab File: VU032392.D
 Acq: 03 Jun 2019 14:45

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00109

Tgt Ion:180 Resp: 23895
 Ion Ratio Lower Upper
 180 100
 182 96.0 76.0 114.0
 184 29.5 24.5 36.7
 145 30.0 25.2 37.8

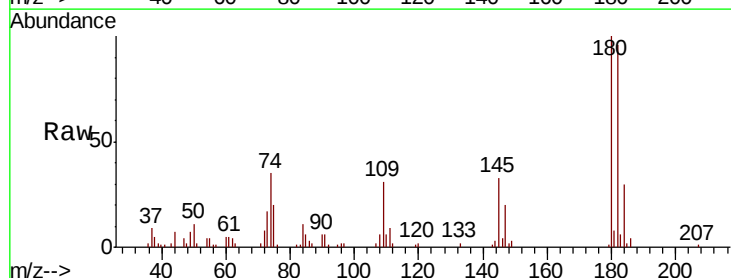


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

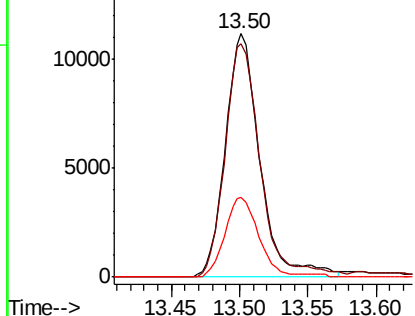
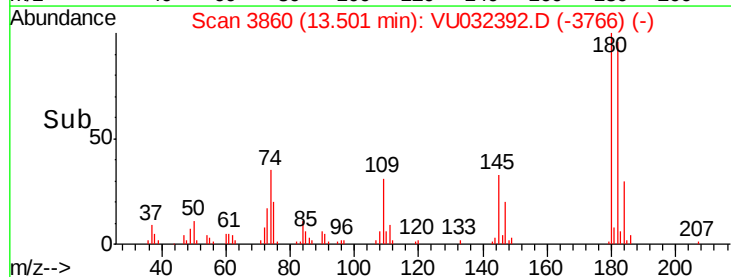


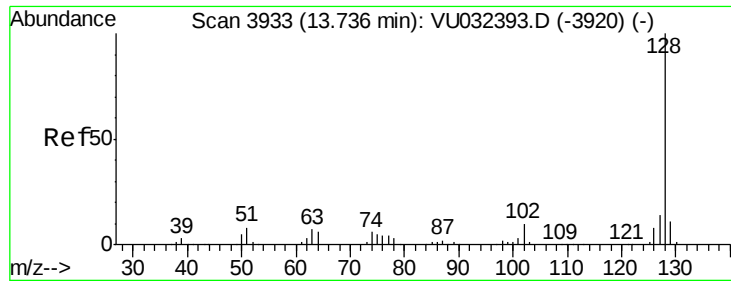
#68
 1,2,4-trichlorobenzene
 Concen: 0.965 ug/L
 RT: 13.50 min Scan# 3860
 Delta R.T. 0.00 min
 Lab File: VU032392.D
 Acq: 03 Jun 2019 14:45

Tgt Ion:180 Resp: 19667
 Ion Ratio Lower Upper
 180 100
 182 93.9 77.3 115.9
 145 32.5 25.0 37.4



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

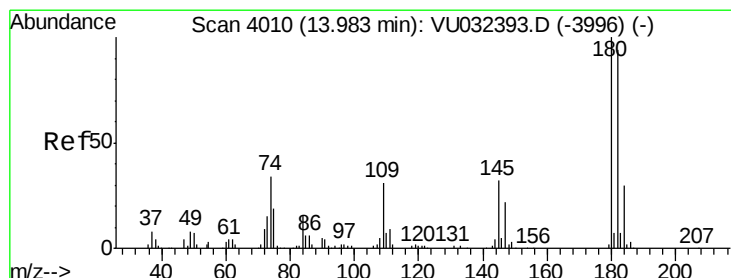
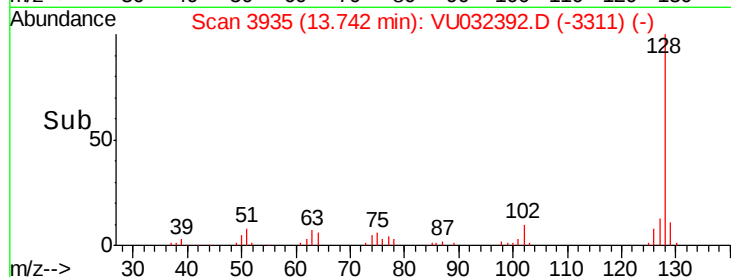
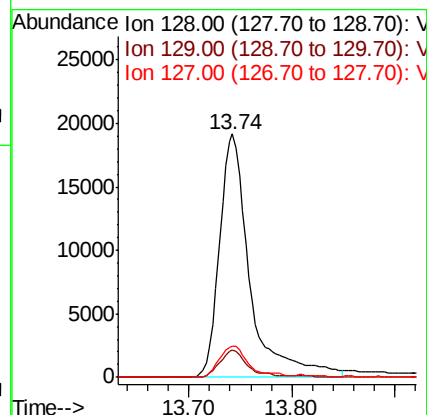
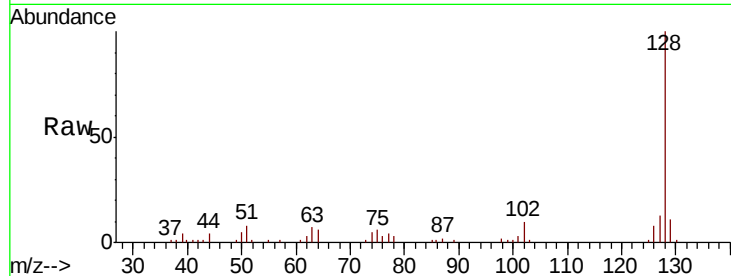




#69
Naphthalene
Concen: 0.982 ug/L
RT: 13.74 min Scan# 3935
Delta R.T. 0.01 min
Lab File: VU032392.D
Acq: 03 Jun 2019 14:45

Instrument :
MSVOA_U
ClientSampleId :
VSTD00109

Tgt Ion:128 Resp: 39388
Ion Ratio Lower Upper
128 100
129 10.3 8.6 13.0
127 11.6 11.0 16.4



#70
1,2,3-Trichlorobenzene
Concen: 0.997 ug/L
RT: 13.98 min Scan# 4010
Delta R.T. 0.00 min
Lab File: VU032392.D
Acq: 03 Jun 2019 14:45

Tgt Ion:180 Resp: 19055
Ion Ratio Lower Upper
180 100
182 89.2 76.6 114.8
145 31.8 26.7 40.1

