

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU082818\
 Data File : VU026402.D
 Acq On : 28 Aug 2018 16:30
 Operator : MD/SY
 Sample : VSTD00143
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00143

Quant Time: Aug 28 23:51:07 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR082818WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Aug 28 23:50:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	63305	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	63430	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	28731	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	9796	1.16	ug/L	0.00
7) Chloroethane-d5	1.68	69	7289	1.15	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.28	63	15927	1.12	ug/L	0.00
20) 2-Butanone-d5	4.20	46	17767	11.39	ug/L	0.00
24) Chloroform-d	4.65	84	10013	1.04	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	6979	1.15	ug/L	0.00
32) Benzene-d6	5.34	84	24194	1.11	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.34	67	8163	1.13	ug/L	0.00
41) Toluene-d8	7.57	98	21616	1.06	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.86	79	2730	1.04	ug/L	0.00
46) 2-Hexanone-d5	8.32	63	11113	9.55	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.43	84	6289	1.13	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	7590	1.13	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	6250	1.029 ug/L	100
3) Chloromethane	1.33	50	8151	1.014 ug/L	100
5) Vinyl chloride	1.40	62	8094	1.000 ug/L	98
6) Bromomethane	1.63	94	3656	0.940 ug/L	95
8) Chloroethane	1.70	64	4801	1.008 ug/L	95
9) Trichlorofluoromethane	1.89	101	9798	1.016 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	5846	1.034 ug/L	97
12) 1,1-Dichloroethene	2.28	96	5292	1.020 ug/L	89
13) Acetone	2.32	43	11616	10.088 ug/L	97
14) Carbon disulfide	2.48	76	19062	1.001 ug/L	100
15) Methyl Acetate	2.62	43	3423	1.054 ug/L #	88
16) Methylene chloride	2.70	84	6771	1.045 ug/L	94
17) Methyl tert-butyl Ether	3.00	73	12517	0.962 ug/L	94
18) trans-1,2-Dichloroethene	2.98	96	5905	1.043 ug/L	86
19) 1,1-Dichloroethane	3.45	63	11734	0.999 ug/L	98
21) 2-Butanone	4.28	43	14522	9.830 ug/L	99
22) cis-1,2-Dichloroethene	4.22	96	5802	1.011 ug/L	90
23) Bromochloromethane	4.55	128	2374	1.022 ug/L	88
25) Chloroform	4.68	83	12832	1.136 ug/L	90
27) 1,2-Dichloroethane	5.41	62	5931	0.943 ug/L	97
29) 1,1,1-Trichloroethane	4.91	97	7964	1.000 ug/L	98
30) Cyclohexane	5.00	56	7537	0.925 ug/L	98
31) Carbon tetrachloride	5.13	117	6905	0.961 ug/L	95
33) Benzene	5.39	78	20625	0.980 ug/L	100
34) Trichloroethene	6.19	95	5765	1.014 ug/L	92
35) Methylcyclohexane	6.42	83	7308	0.904 ug/L	96
37) 1,2-Dichloropropane	6.44	63	5624	0.964 ug/L #	91
38) Bromodichloromethane	6.76	83	6532	0.952 ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	6854	0.925 ug/L	99
40) 4-Methyl-2-pentanone	7.47	43	28339	8.623 ug/L	97

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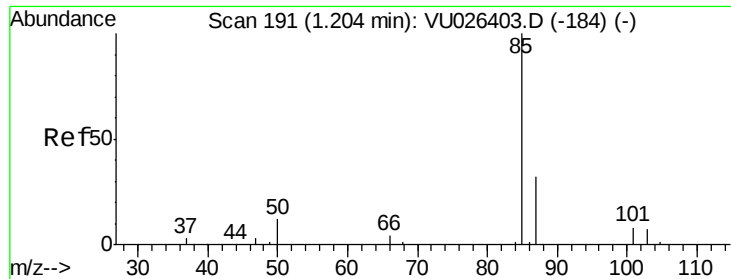
Instrument :
 MSVOA_U
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

42) Toluene	7.64	91	19607	0.914	ug/L	98
44) trans-1,3-Dichloropropene	7.89	75	5328	0.872	ug/L	93
45) 1,1,2-Trichloroethane	8.07	97	3679	1.005	ug/L	91
47) Tetrachloroethene	8.23	164	4174	0.976	ug/L	95
48) 2-Hexanone	8.37	43	21269	8.739	ug/L	98
49) Dibromochloromethane	8.48	129	4206	0.942	ug/L	95
50) 1,2-Dibromoethane	8.59	107	3358	0.970	ug/L #	95
51) Chlorobenzene	9.12	112	13484	0.969	ug/L	100
52) Ethylbenzene	9.25	91	20336	0.895	ug/L	99
53) m,p-xylene	9.38	106	6878	0.823	ug/L	88
54) o-xylene	9.78	106	6651	0.841	ug/L	97
55) Styrene	9.80	104	11066	0.799	ug/L	99
56) Isopropylbenzene	10.17	105	17828	0.847	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.46	83	4700	0.980	ug/L	99
59) 1,2,3-Trichloropropane	10.50	75	3053	0.905	ug/L	97
61) Bromoform	9.96	173	2433	1.069	ug/L #	86
62) 1,3-Dichlorobenzene	11.42	146	9184	0.991	ug/L	98
63) 1,4-Dichlorobenzene	11.51	146	9535	0.978	ug/L	96
65) 1,2-Dichlorobenzene	11.88	146	9094	0.993	ug/L	96
66) 1,2-Dibromo-3-chloropropan	12.66	75	592	0.967	ug/L	97
67) 1,3,5-Trichlorobenzene	12.89	180	7670	0.990	ug/L	94
68) 1,2,4-trichlorobenzene	13.51	180	6026	0.968	ug/L	98
69) Naphthalene	13.75	128	8215	0.864	ug/L #	97
70) 1,2,3-Trichlorobenzene	13.99	180	5378	0.934	ug/L	97

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



#2

Dichlorodifluoromethane

Concen: 1.029 ug/L

RT: 1.20 min Scan# 191

Delta R.T. 0.00 min

Lab File: VU026402.D

Acq: 28 Aug 2018 16:30

Instrument :

MSVOA_U

ClientSampleId :

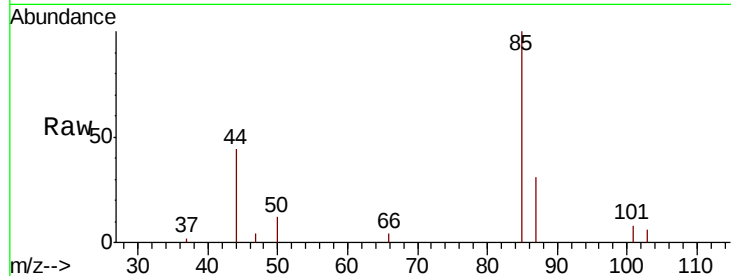
VSTD00143

Tgt Ion: 85 Resp: 6250

Ion Ratio Lower Upper

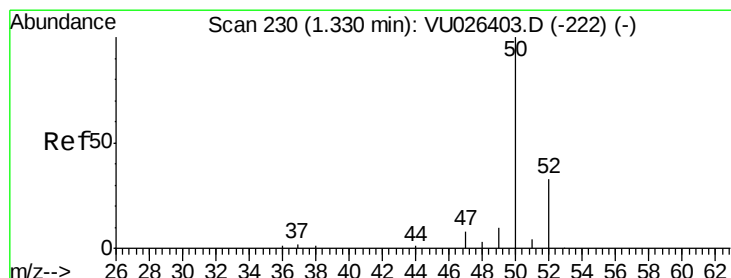
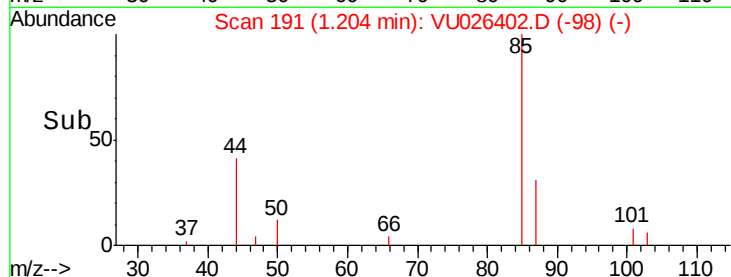
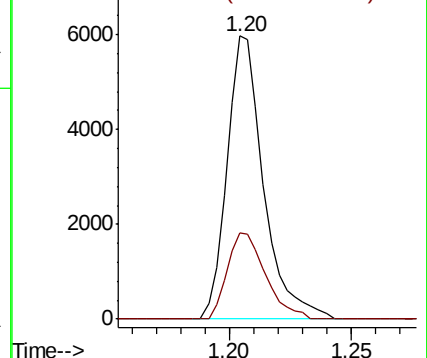
85 100

87 31.7 25.4 38.0



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 1.014 ug/L

RT: 1.33 min Scan# 230

Delta R.T. 0.00 min

Lab File: VU026402.D

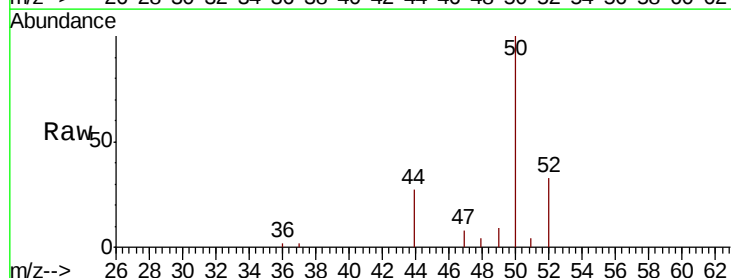
Acq: 28 Aug 2018 16:30

Tgt Ion: 50 Resp: 8151

Ion Ratio Lower Upper

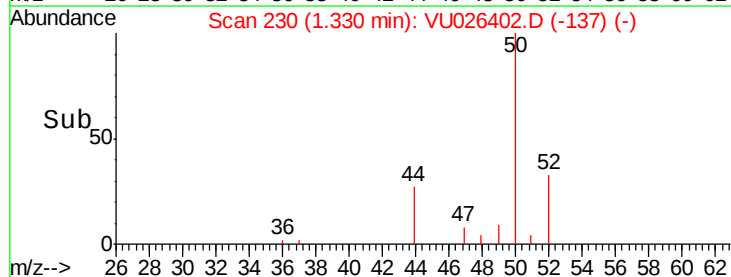
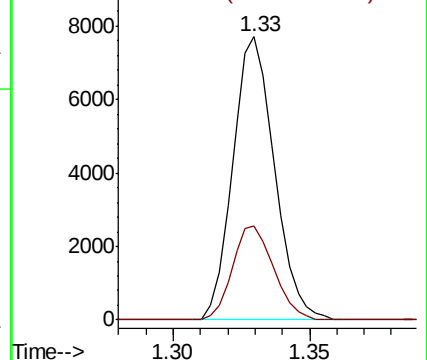
50 100

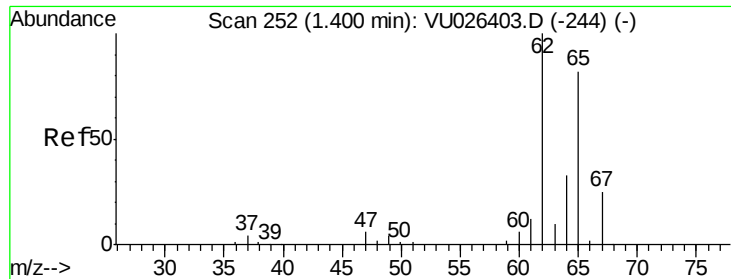
52 33.0 23.0 42.6



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0





#5

Vinyl chloride

Concen: 1.000 ug/L

RT: 1.40 min Scan# 252

Delta R.T. 0.00 min

Lab File: VU026402.D

Acq: 28 Aug 2018 16:30

Instrument :

MSVOA_U

ClientSampleId :

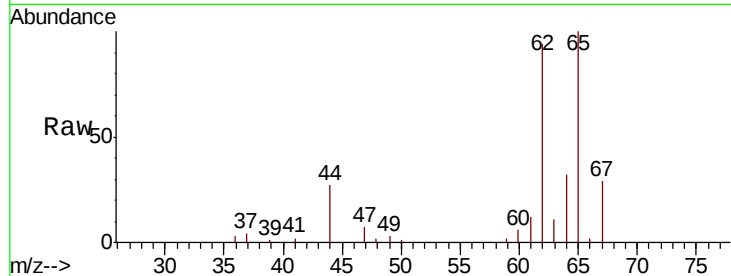
VSTD00143

Tgt Ion: 62 Resp: 8094

Ion Ratio Lower Upper

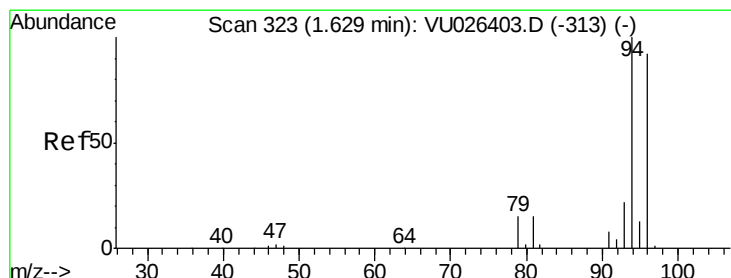
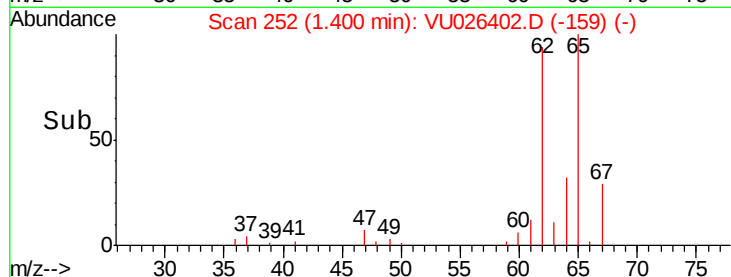
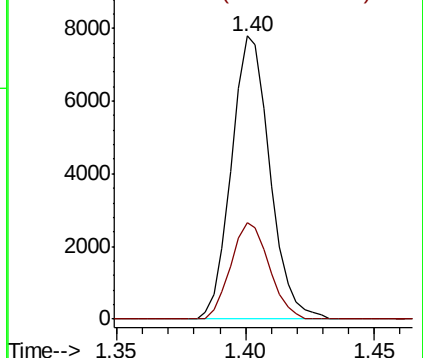
62 100

64 34.1 23.0 42.8



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#6

Bromomethane

Concen: 0.940 ug/L

RT: 1.63 min Scan# 323

Delta R.T. 0.00 min

Lab File: VU026402.D

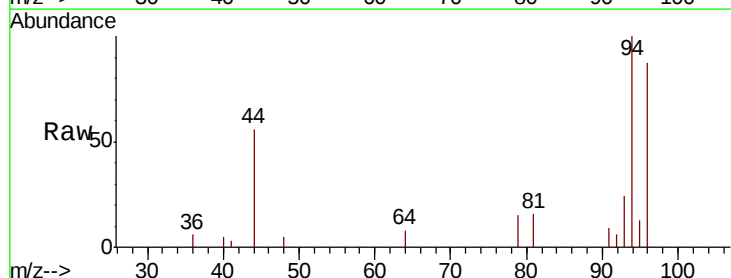
Acq: 28 Aug 2018 16:30

Tgt Ion: 94 Resp: 3656

Ion Ratio Lower Upper

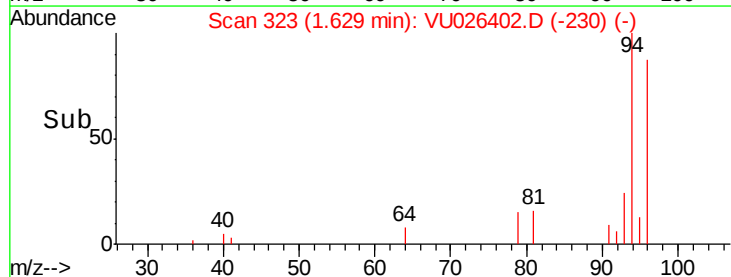
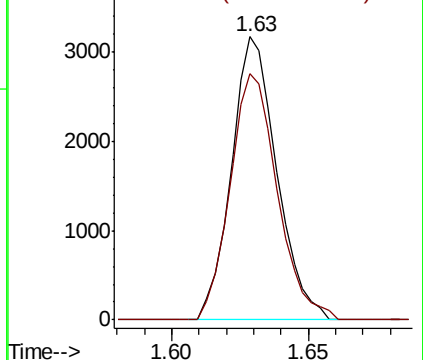
94 100

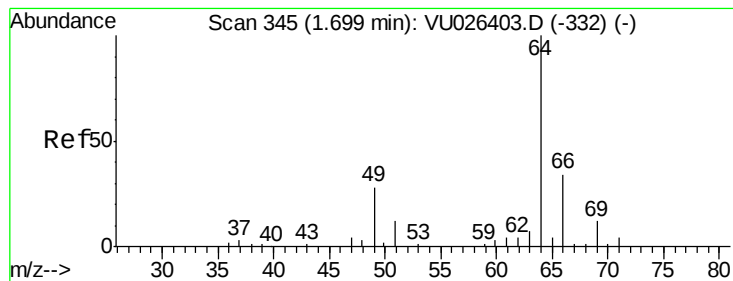
96 87.0 64.3 119.5



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 1.008 ug/L

RT: 1.70 min Scan# 345

Delta R.T. 0.00 min

Lab File: VU026402.D

Acq: 28 Aug 2018 16:30

Instrument :

MSVOA_U

ClientSampleId :

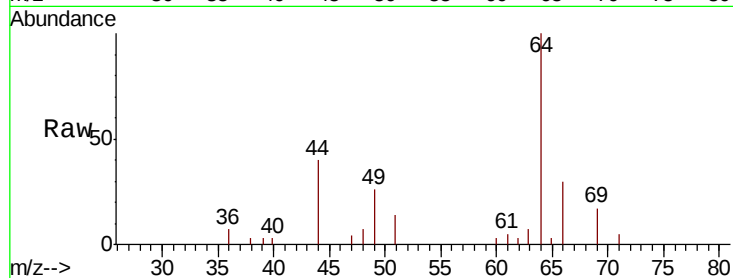
VSTD00143

Tgt Ion: 64 Resp: 4801

Ion Ratio Lower Upper

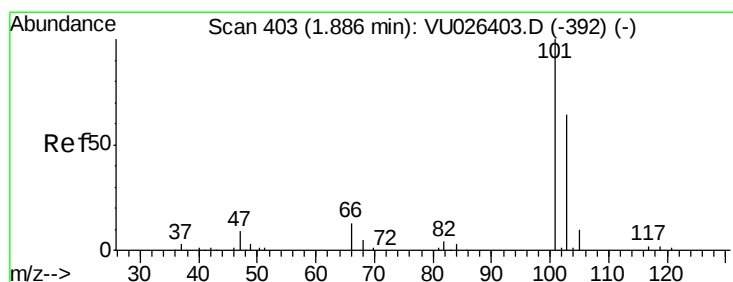
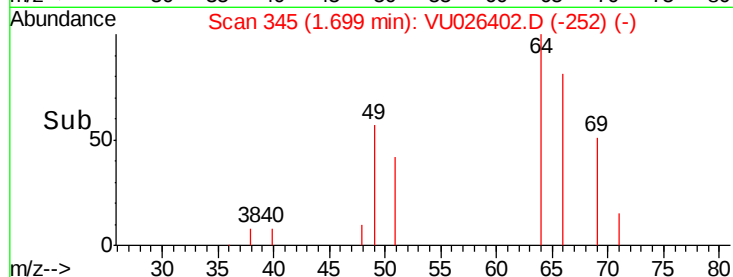
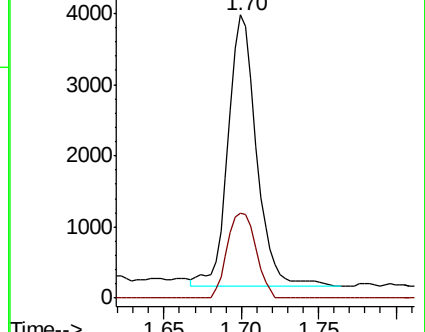
64 100

66 30.1 23.2 43.2



Abundance Ion 64.10 (63.80 to 64.80): VU026403.D (-332) (-)

Ion 66.05 (65.75 to 66.75): VU026403.D (-332) (-)



#9

Trichlorofluoromethane

Concen: 1.016 ug/L

RT: 1.89 min Scan# 403

Delta R.T. 0.00 min

Lab File: VU026402.D

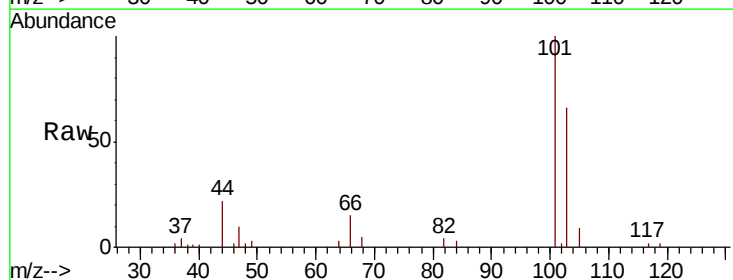
Acq: 28 Aug 2018 16:30

Tgt Ion: 101 Resp: 9798

Ion Ratio Lower Upper

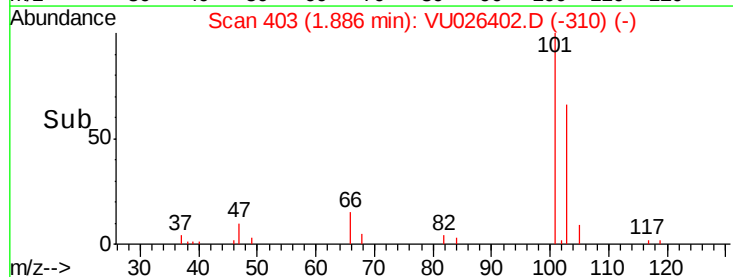
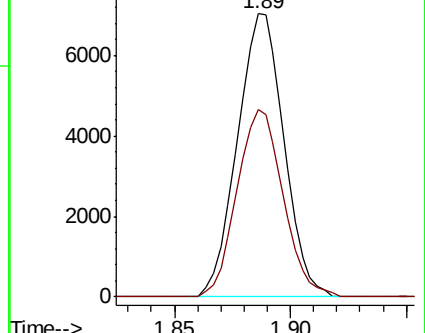
101 100

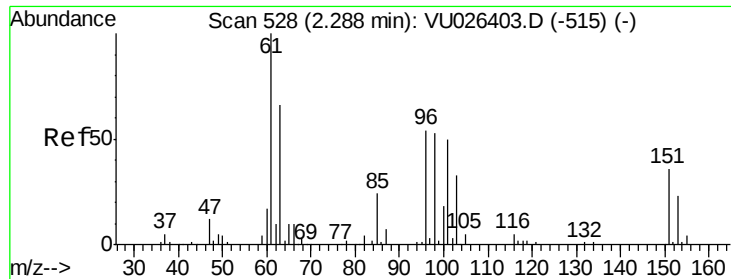
103 65.7 51.3 76.9



Abundance Ion 101.00 (100.70 to 101.70): VU026403.D (-392) (-)

Ion 103.00 (102.70 to 103.70): VU026403.D (-392) (-)





#10

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

Concen: 1.034 ug/L

RT: 2.29 min Scan# 529

Delta R.T. 0.00 min

Lab File: VU026402.D

Acq: 28 Aug 2018 16:30

Instrument :

MSVOA_U

ClientSampleId :

VSTD00143

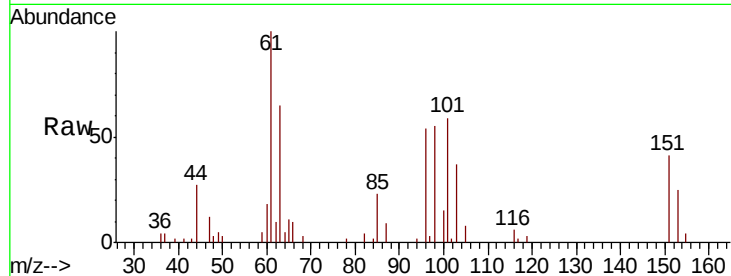
Tgt Ion: 101 Resp: 5846

Ion Ratio Lower Upper

101 100

85 41.4 36.0 54.0

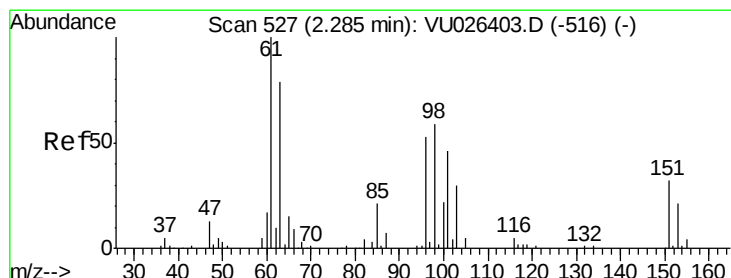
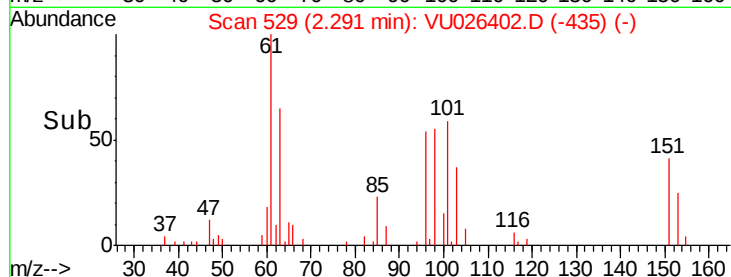
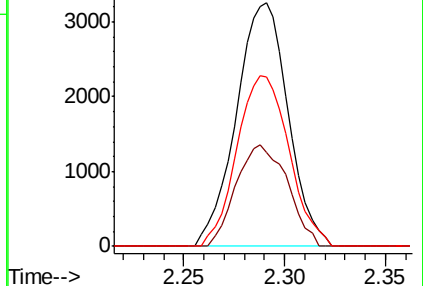
151 70.4 55.5 83.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 1.020 ug/L

RT: 2.28 min Scan# 527

Delta R.T. 0.00 min

Lab File: VU026402.D

Acq: 28 Aug 2018 16:30

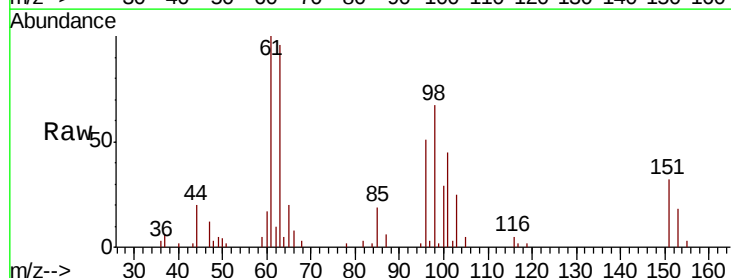
Tgt Ion: 96 Resp: 5292

Ion Ratio Lower Upper

96 100

61 194.7 133.5 247.9

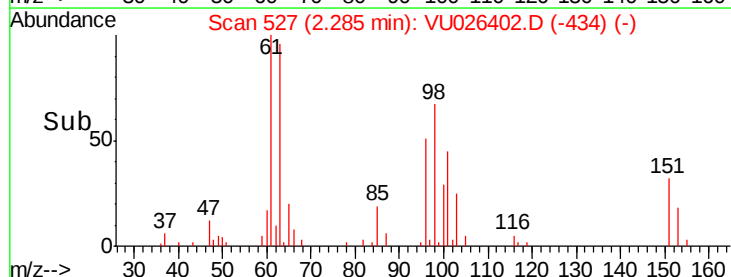
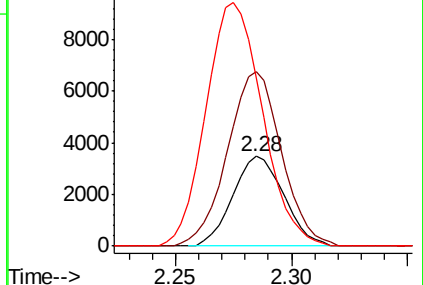
63 187.4 112.3 208.7

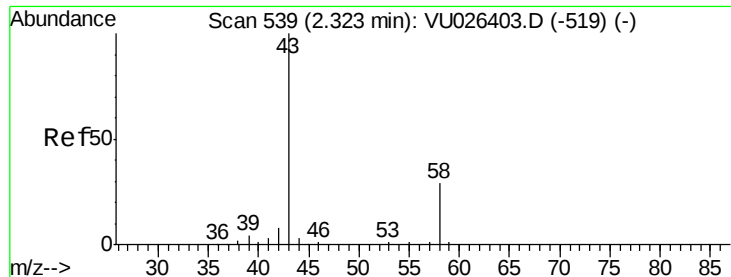


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 10.088 ug/L

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU026402.D

Acq: 28 Aug 2018 16:30

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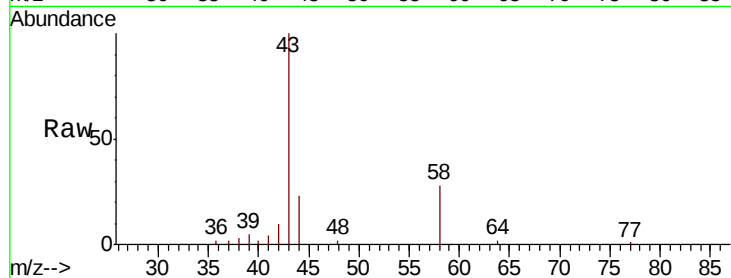
VSTD00143

Tgt Ion: 43 Resp: 11616

Ion Ratio Lower Upper

43 100

58 28.9 0.0 60.6



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

2.32

8000

6000

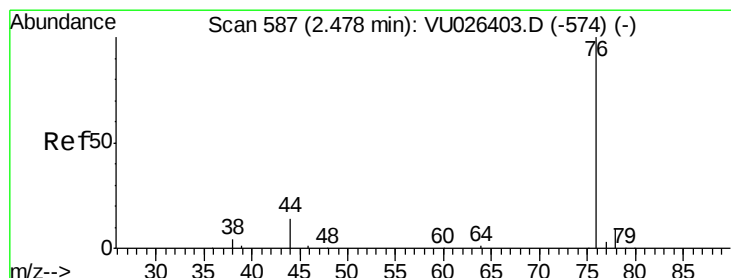
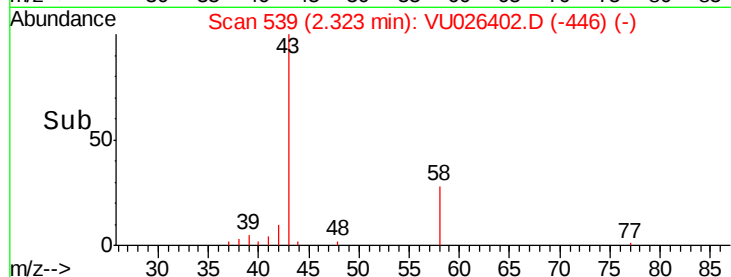
4000

2000

0

Time-->

2.25 2.30 2.35 2.40



#14

Carbon disulfide

Concen: 1.001 ug/L

RT: 2.48 min Scan# 587

Delta R.T. 0.00 min

Lab File: VU026402.D

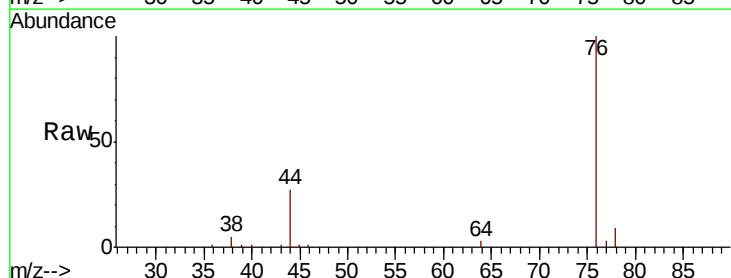
Acq: 28 Aug 2018 16:30

Tgt Ion: 76 Resp: 19062

Ion Ratio Lower Upper

76 100

78 9.0 7.2 10.8



Abundance Ion 76.05 (75.75 to 76.75): VU0

Ion 78.00 (77.70 to 78.70): VU0

2.48

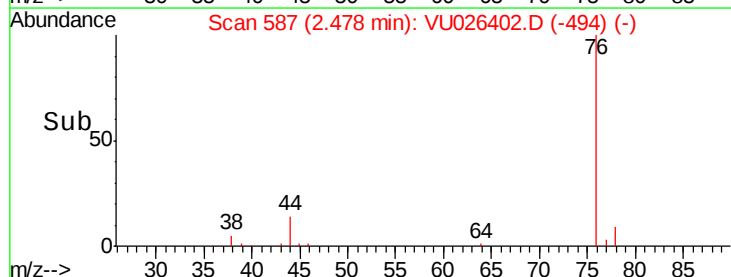
10000

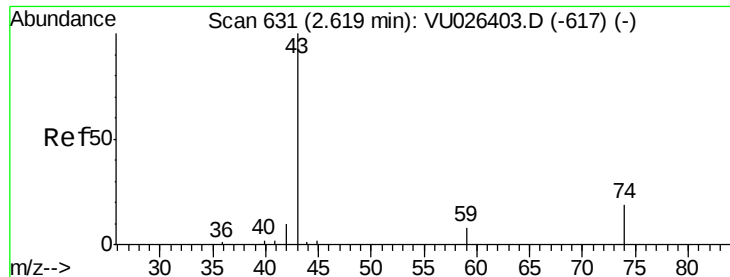
5000

0

Time-->

2.45 2.50 2.55





#15

Methyl Acetate

Concen: 1.054 ug/L

RT: 2.62 min Scan# 631

Delta R.T. 0.00 min

Lab File: VU026402.D

Acq: 28 Aug 2018 16:30

Instrument :

MSVOA_U

ClientSampleId :

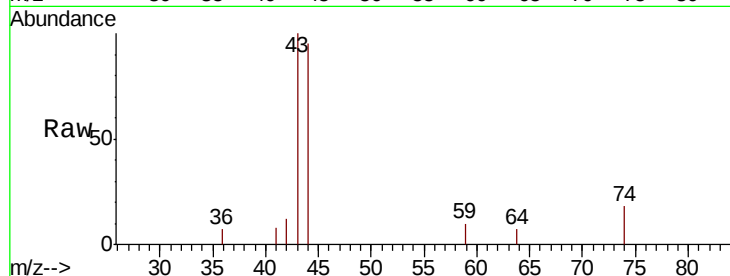
VSTD00143

Tgt Ion: 43 Resp: 3423

Ion Ratio Lower Upper

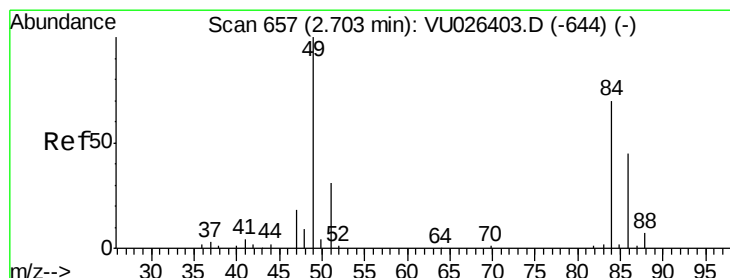
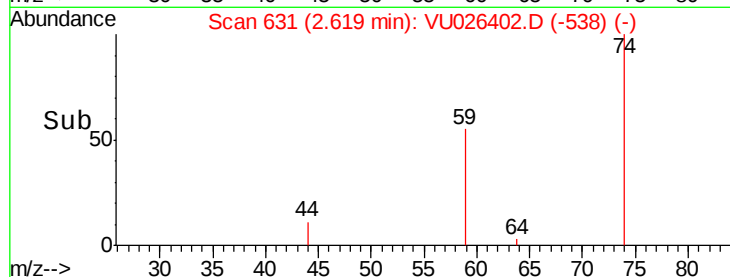
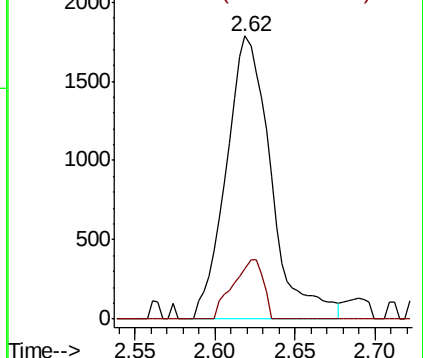
43 100

74 14.0 15.4 23.2#



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0



#16

Methylene chloride

Concen: 1.045 ug/L

RT: 2.70 min Scan# 657

Delta R.T. 0.00 min

Lab File: VU026402.D

Acq: 28 Aug 2018 16:30

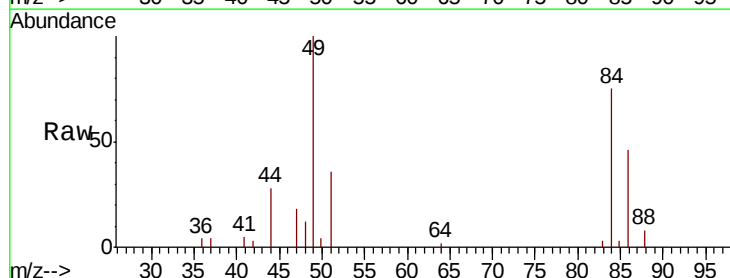
Tgt Ion: 84 Resp: 6771

Ion Ratio Lower Upper

84 100

86 61.1 44.9 83.3

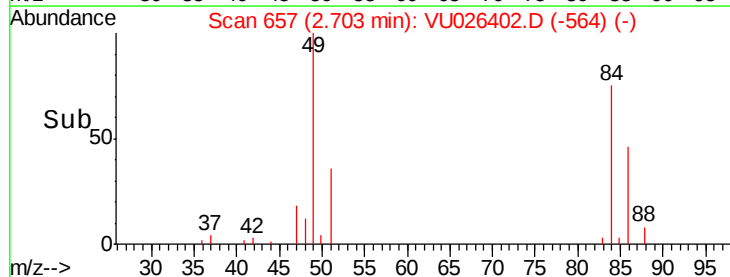
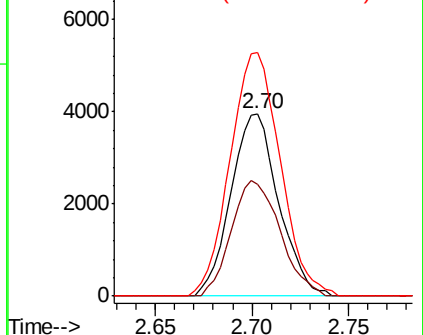
49 133.5 99.7 185.1

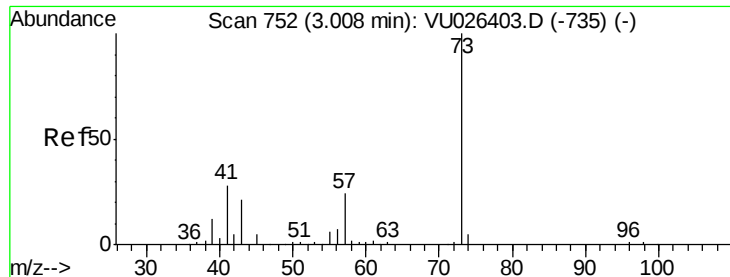


Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0

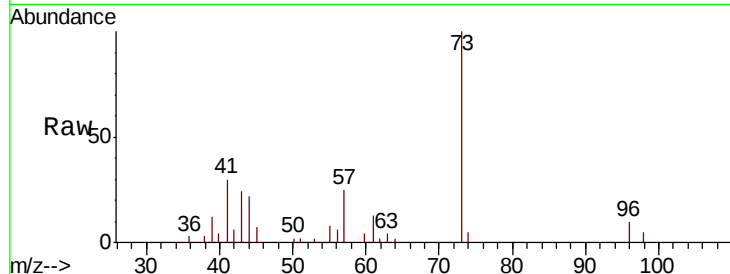




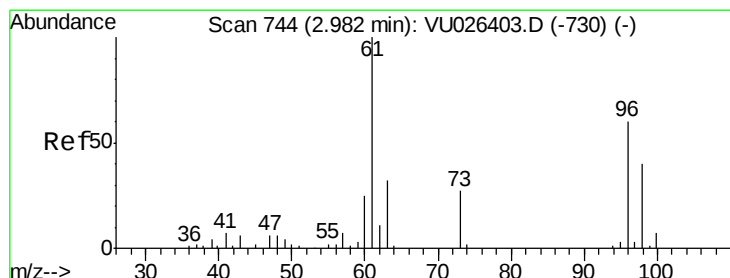
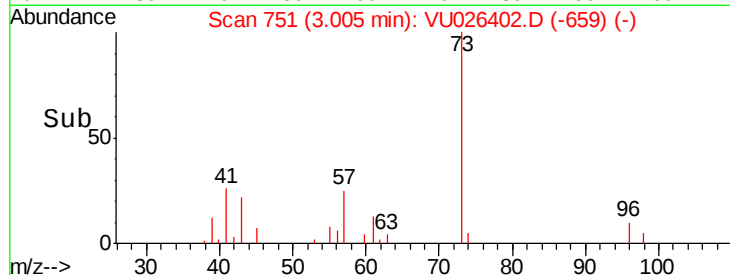
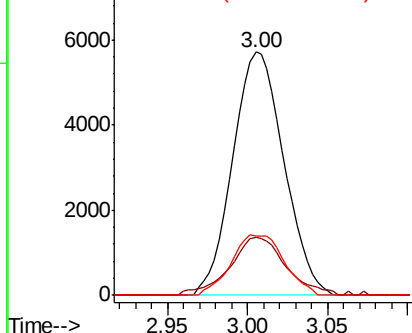
#17
Methyl tert-butyl Ether
Concen: 0.962 ug/L
RT: 3.00 min Scan# 751
Delta R.T. -0.00 min
Lab File: VU026402.D
Acq: 28 Aug 2018 16:30

Instrument :
MSVOA_U
ClientSampleId :
VSTD00143

Tgt Ion: 73 Resp: 12517
Ion Ratio Lower Upper
73 100
43 26.2 17.6 26.4
57 25.6 19.0 28.6

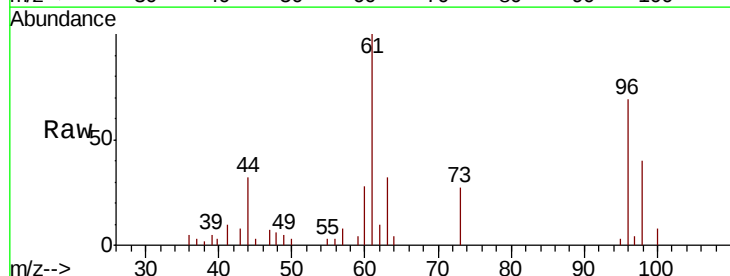


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

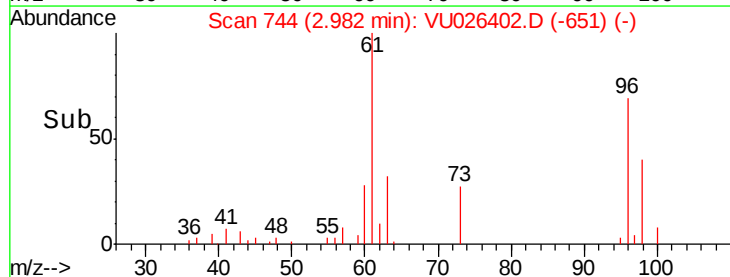
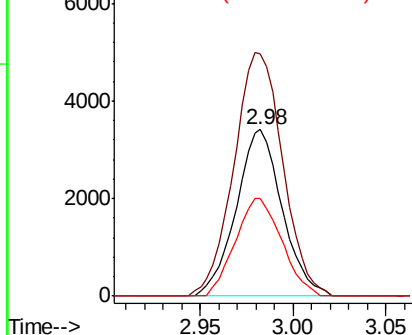


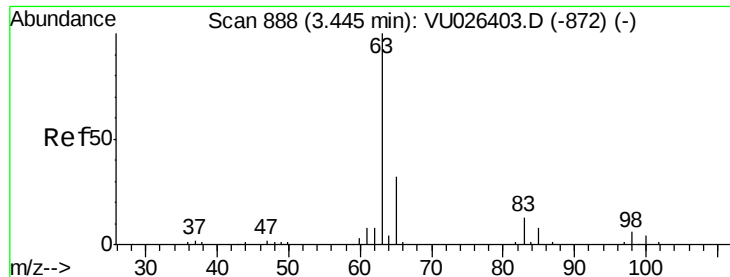
#18
trans-1,2-Dichloroethene
Concen: 1.043 ug/L
RT: 2.98 min Scan# 744
Delta R.T. 0.00 min
Lab File: VU026402.D
Acq: 28 Aug 2018 16:30

Tgt Ion: 96 Resp: 5905
Ion Ratio Lower Upper
96 100
61 145.8 116.6 216.6
98 58.8 46.1 85.7



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

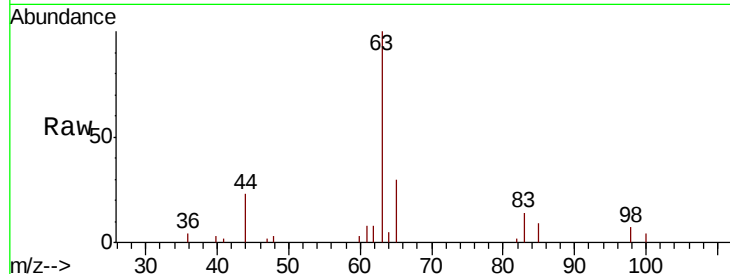




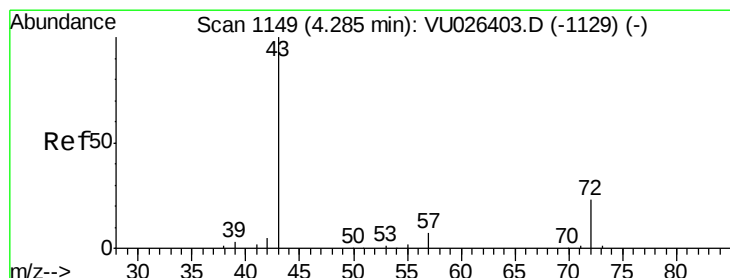
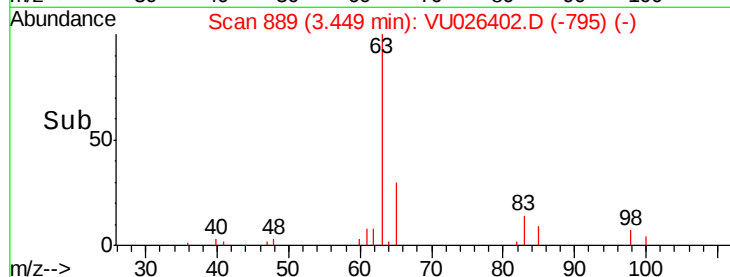
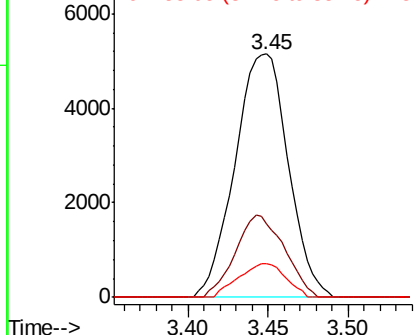
#19
 1,1-Dichloroethane
 Concen: 0.999 ug/L
 RT: 3.45 min Scan# 889
 Delta R.T. 0.00 min
 Lab File: VU026402.D
 Acq: 28 Aug 2018 16:30

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00143

Tgt Ion: 63 Resp: 11734
 Ion Ratio Lower Upper
 63 100
 65 30.2 22.2 41.2
 83 13.8 9.2 17.2

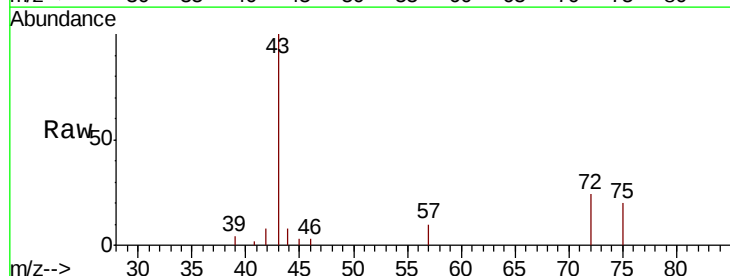


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

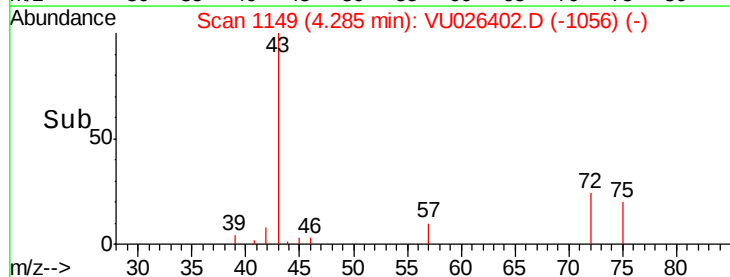
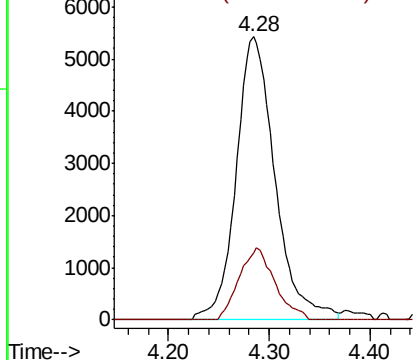


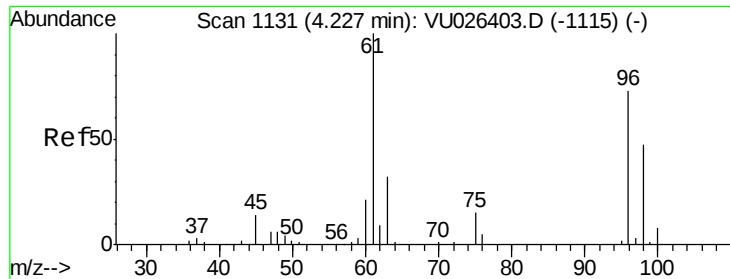
#21
 2-Butanone
 Concen: 9.830 ug/L
 RT: 4.28 min Scan# 1149
 Delta R.T. 0.00 min
 Lab File: VU026402.D
 Acq: 28 Aug 2018 16:30

Tgt Ion: 43 Resp: 14522
 Ion Ratio Lower Upper
 43 100
 72 23.3 11.4 34.1



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: 1.011 ug/L

RT: 4.22 min Scan# 1130

Delta R.T. -0.00 min

Lab File: VU026402.D

Acq: 28 Aug 2018 16:30

Instrument :

MSVOA_U

ClientSampleId :

VSTD00143

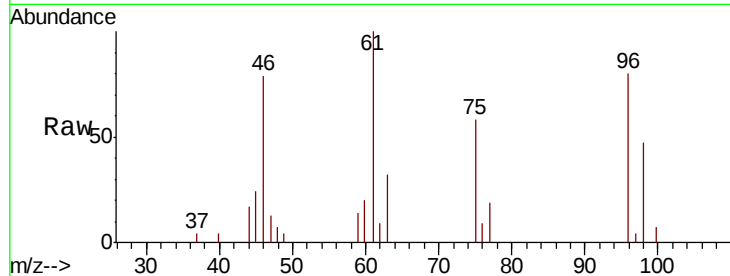
Tgt Ion: 96 Resp: 5802

Ion Ratio Lower Upper

96 100

61 124.9 95.9 178.1

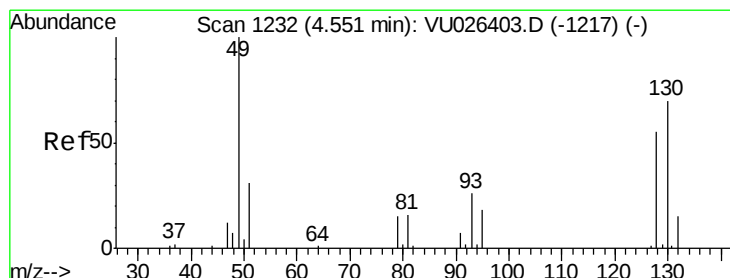
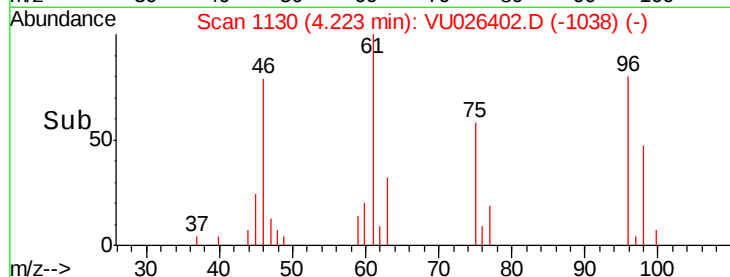
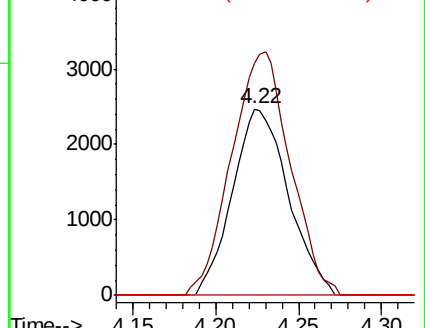
68 0.0 0.0 0.0



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: 1.022 ug/L

RT: 4.55 min Scan# 1231

Delta R.T. -0.00 min

Lab File: VU026402.D

Acq: 28 Aug 2018 16:30

Tgt Ion: 128 Resp: 2374

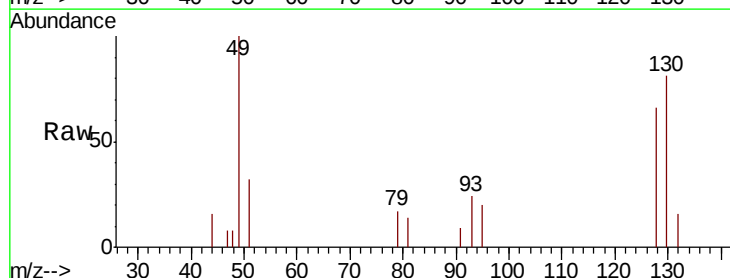
Ion Ratio Lower Upper

128 100

49 152.5 126.8 235.4

130 123.2 88.6 164.6

51 49.6 45.2 67.8

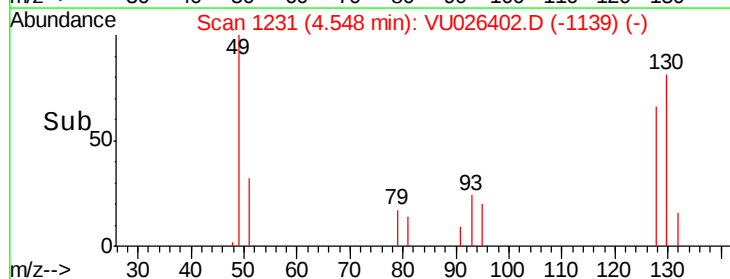
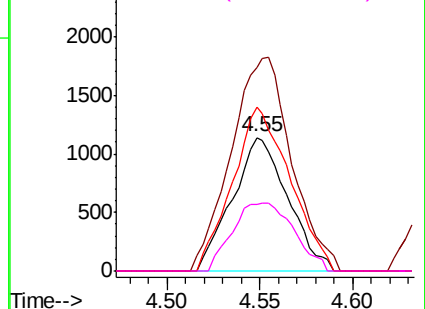


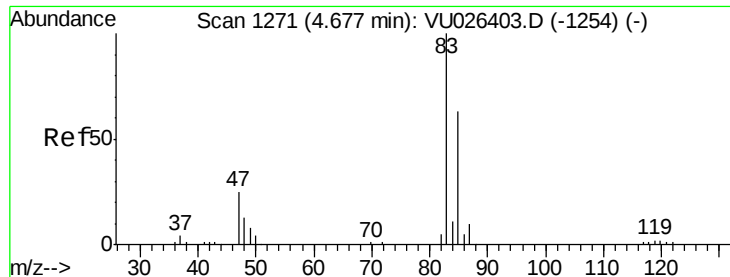
Abundance Ion 127.90 (127.60 to 128.60): V

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

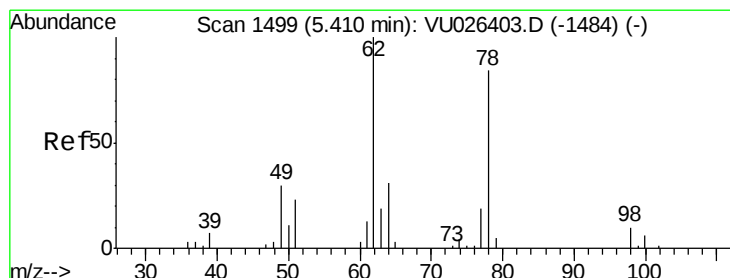
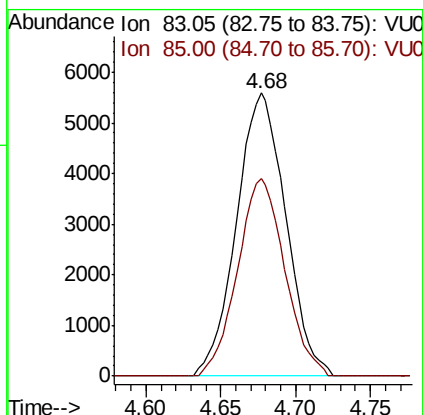
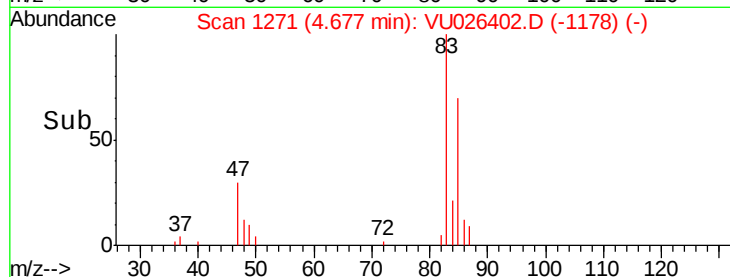
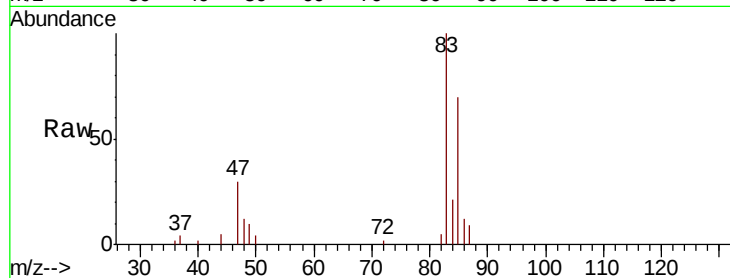




#25
 Chloroform
 Concen: 1.136 ug/L
 RT: 4.68 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VU026402.D
 Acq: 28 Aug 2018 16:30

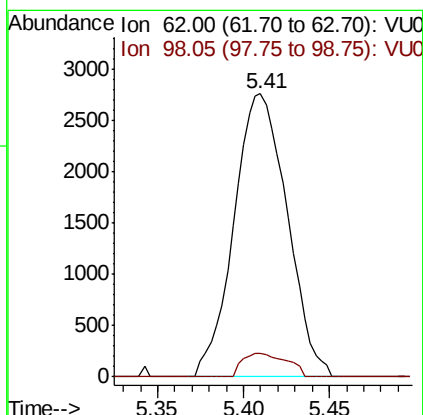
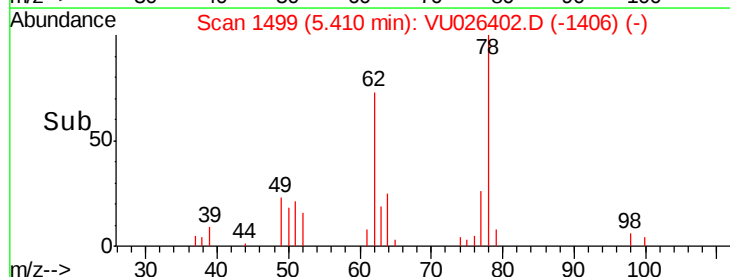
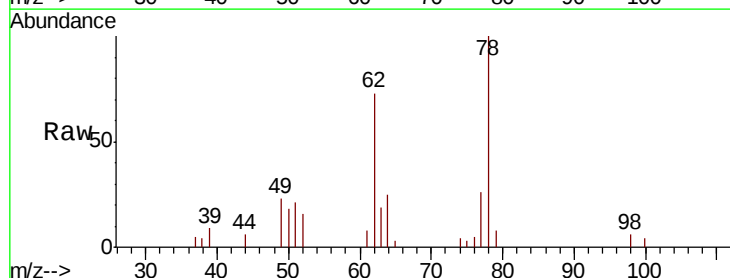
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00143

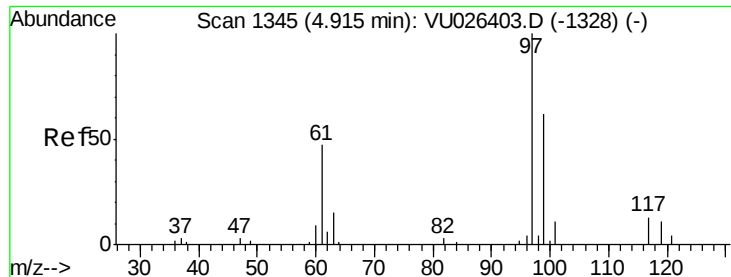
Tgt Ion: 83 Resp: 12832
 Ion Ratio Lower Upper
 83 100
 85 70.0 43.8 81.4



#27
 1,2-Dichloroethane
 Concen: 0.943 ug/L
 RT: 5.41 min Scan# 1499
 Delta R.T. 0.00 min
 Lab File: VU026402.D
 Acq: 28 Aug 2018 16:30

Tgt Ion: 62 Resp: 5931
 Ion Ratio Lower Upper
 62 100
 98 8.3 7.6 11.4

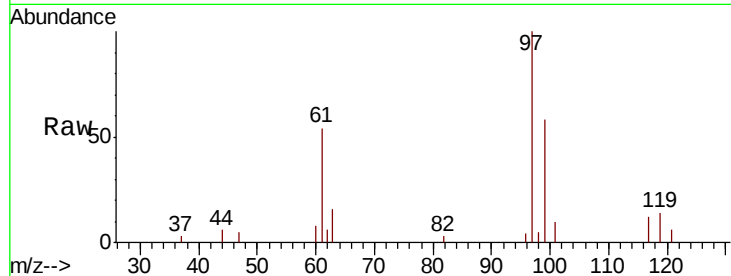




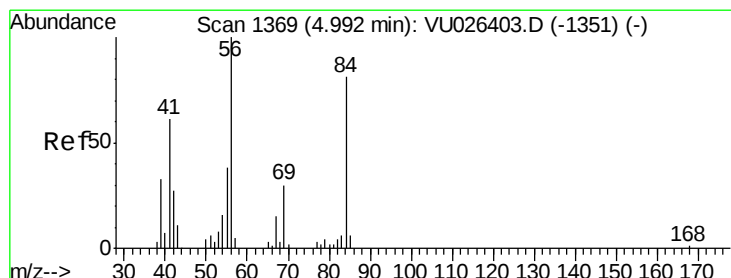
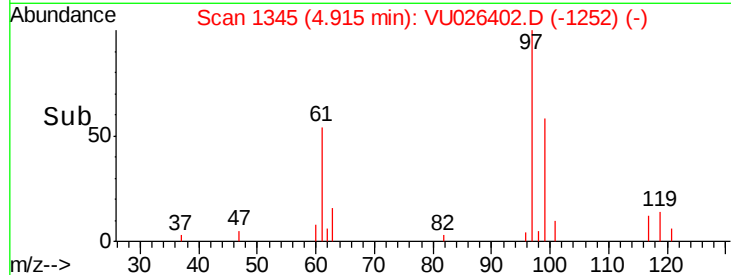
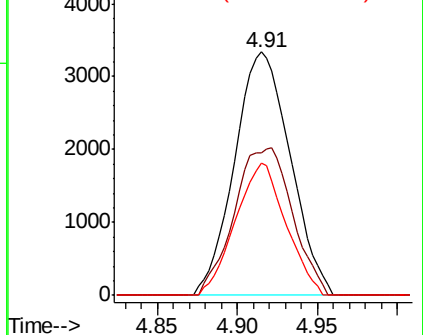
#29
 1,1,1-Trichloroethane
 Concen: 1.000 ug/L
 RT: 4.91 min Scan# 1345
 Delta R.T. 0.00 min
 Lab File: VU026402.D
 Acq: 28 Aug 2018 16:30

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00143

Tgt Ion: 97 Resp: 7964
 Ion Ratio Lower Upper
 97 100
 99 63.0 51.8 77.8
 61 48.9 40.1 60.1

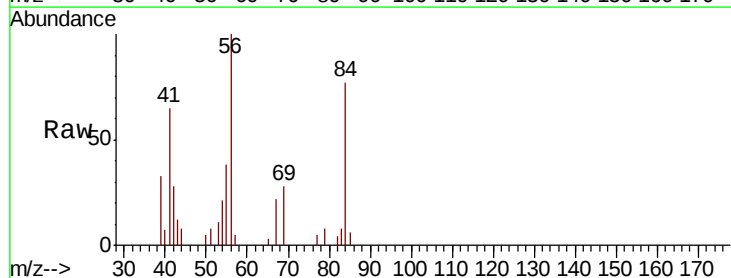


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

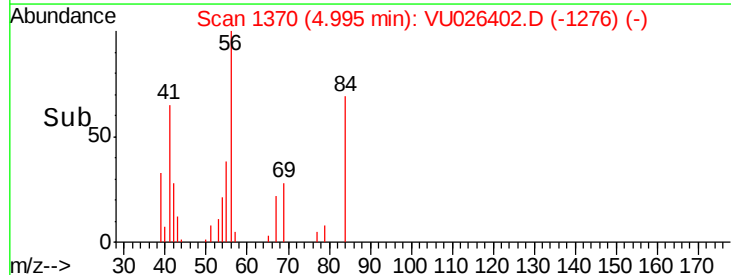
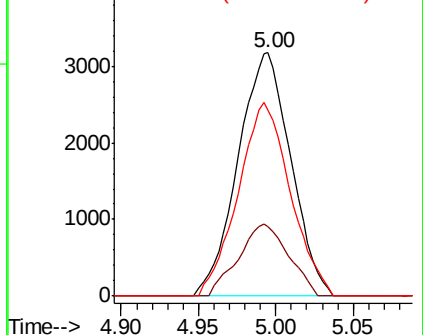


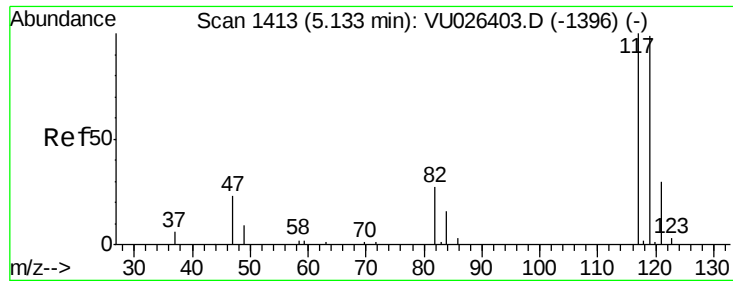
#30
 Cyclohexane
 Concen: 0.925 ug/L
 RT: 5.00 min Scan# 1370
 Delta R.T. 0.00 min
 Lab File: VU026402.D
 Acq: 28 Aug 2018 16:30

Tgt Ion: 56 Resp: 7537
 Ion Ratio Lower Upper
 56 100
 69 28.0 23.1 34.7
 84 78.6 64.8 97.2



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: 0.961 ug/L

RT: 5.13 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VU026402.D

Acq: 28 Aug 2018 16:30

Instrument :

MSVOA_U

ClientSampleId :

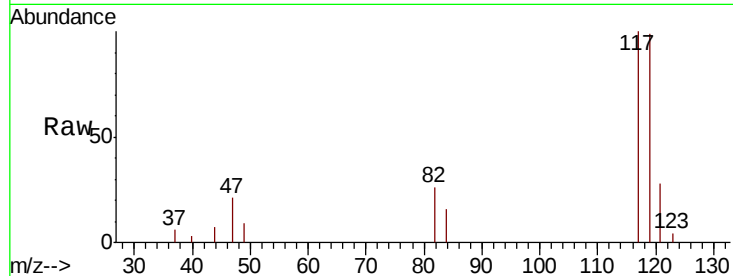
VSTD00143

Tgt Ion:117 Resp: 6905

Ion Ratio Lower Upper

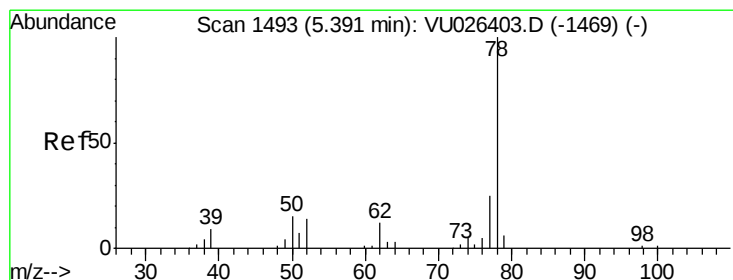
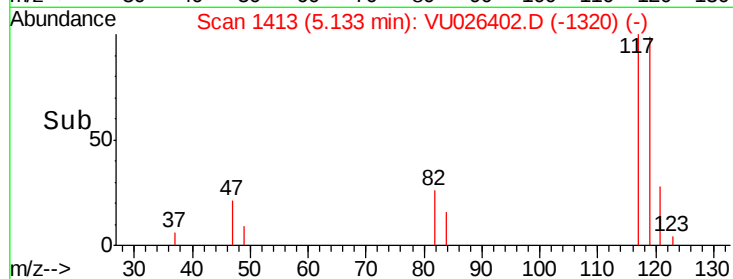
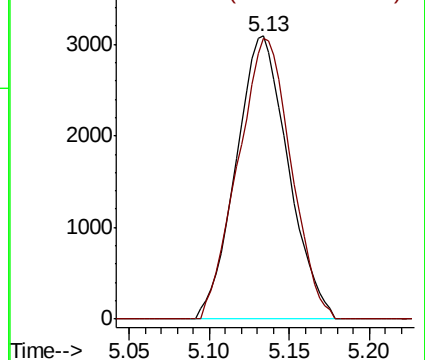
117 100

119 100.9 76.7 115.1



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 0.980 ug/L

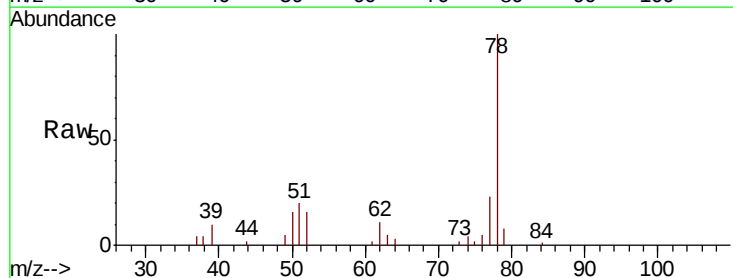
RT: 5.39 min Scan# 1493

Delta R.T. 0.00 min

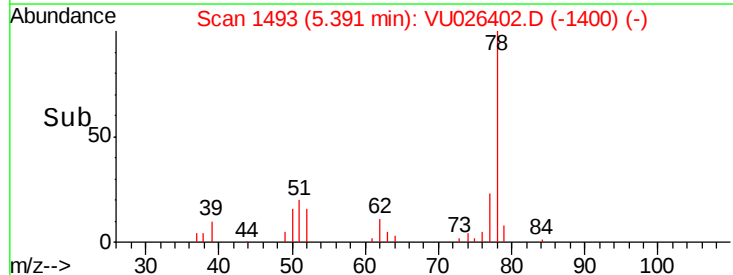
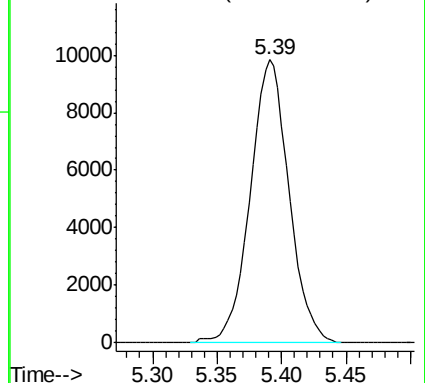
Lab File: VU026402.D

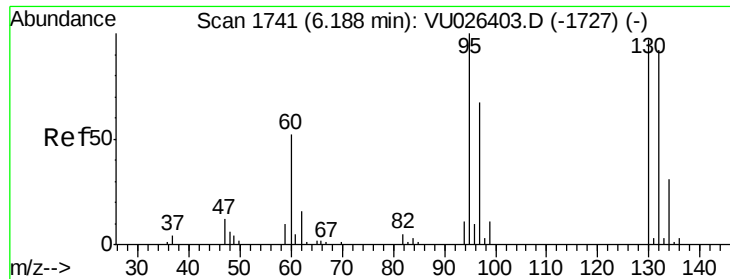
Acq: 28 Aug 2018 16:30

Tgt Ion: 78 Resp: 20625



Abundance Ion 78.10 (77.80 to 78.80): VU0

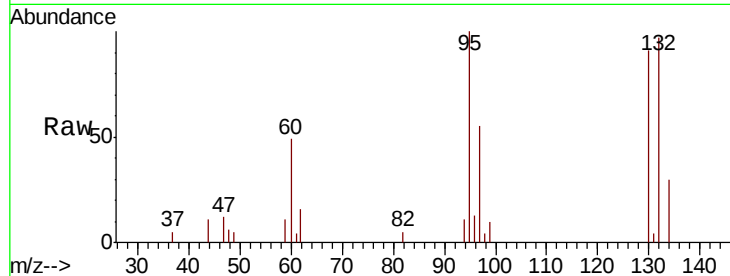




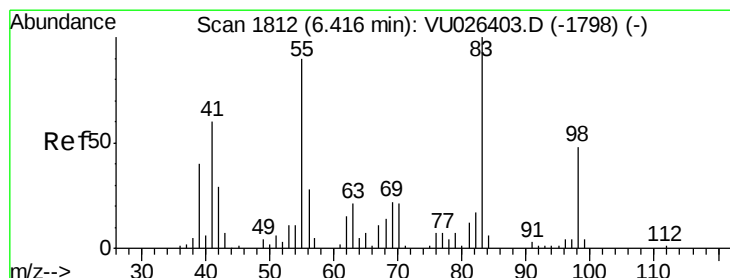
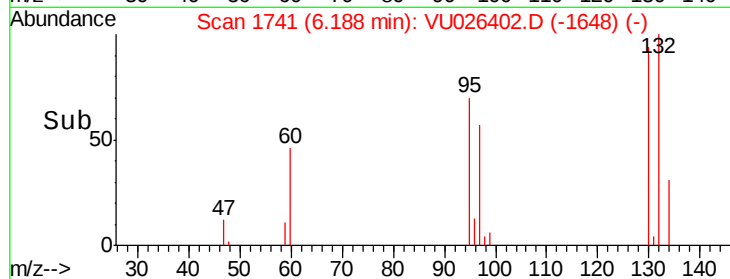
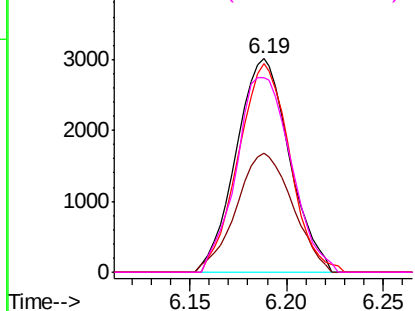
#34
 Trichloroethene
 Concen: 1.014 ug/L
 RT: 6.19 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VU026402.D
 Acq: 28 Aug 2018 16:30

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00143

Tgt Ion: 95 Resp: 5765
 Ion Ratio Lower Upper
 95 100
 97 55.5 46.6 86.6
 132 97.4 64.2 119.2
 130 91.3 68.2 126.6

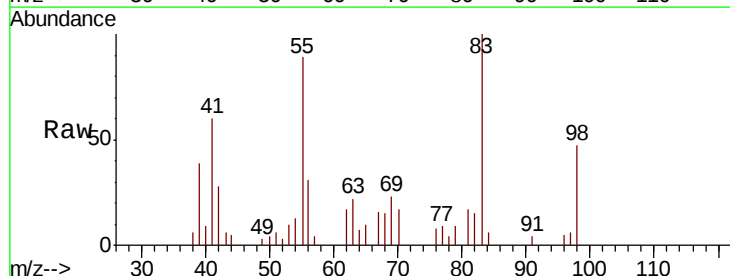


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

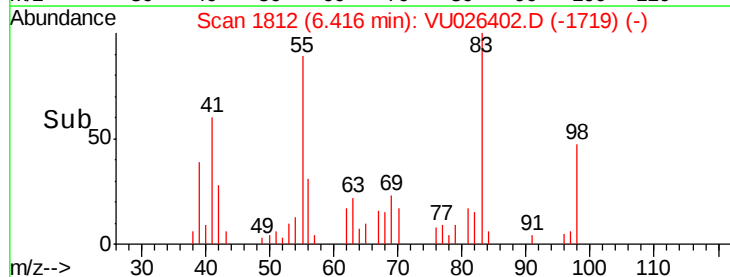
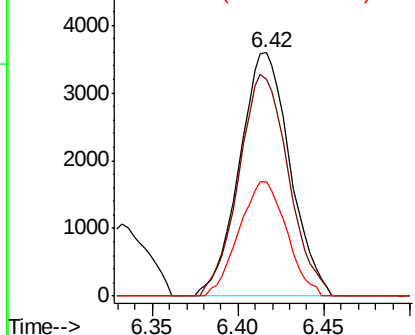


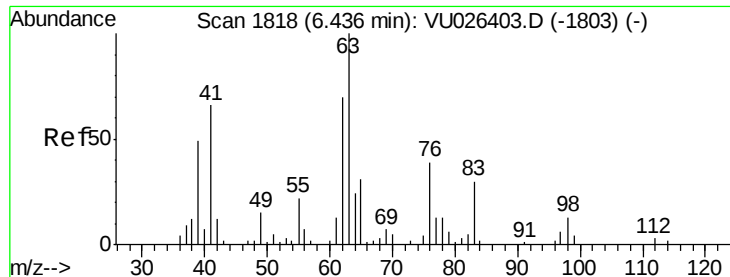
#35
 Methylcyclohexane
 Concen: 0.904 ug/L
 RT: 6.42 min Scan# 1812
 Delta R.T. 0.00 min
 Lab File: VU026402.D
 Acq: 28 Aug 2018 16:30

Tgt Ion: 83 Resp: 7308
 Ion Ratio Lower Upper
 83 100
 55 89.5 68.1 102.1
 98 44.2 36.0 54.0



Abundance Ion 83.15 (82.85 to 83.85): VU0
 Ion 55.10 (54.80 to 55.80): VU0
 Ion 98.15 (97.85 to 98.85): VU0

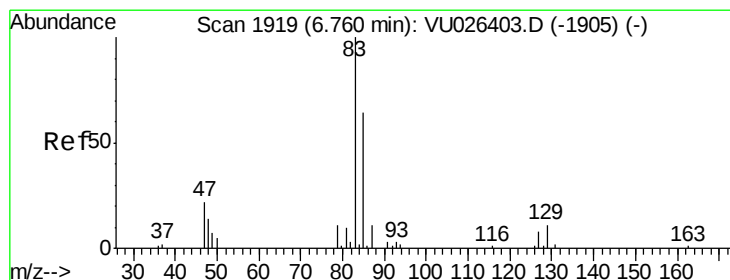
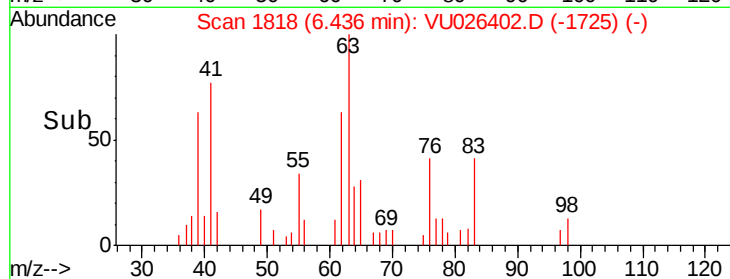
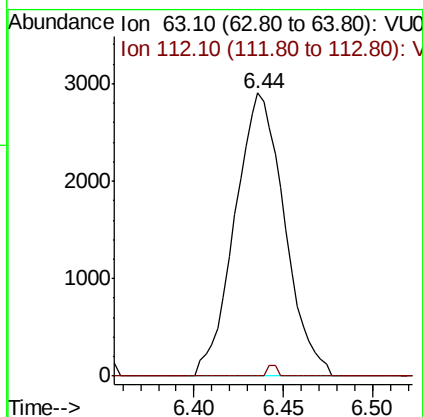
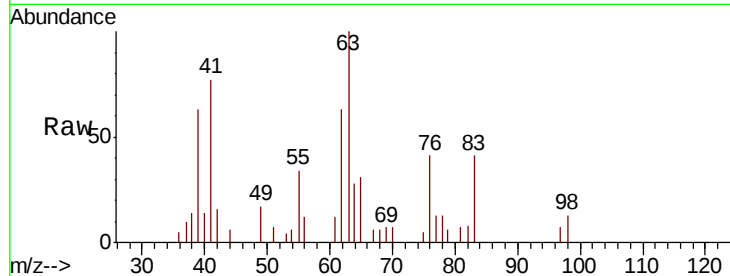




#37
 1,2-Dichloropropane
 Concen: 0.964 ug/L
 RT: 6.44 min Scan# 1818
 Delta R.T. 0.00 min
 Lab File: VU026402.D
 Acq: 28 Aug 2018 16:30

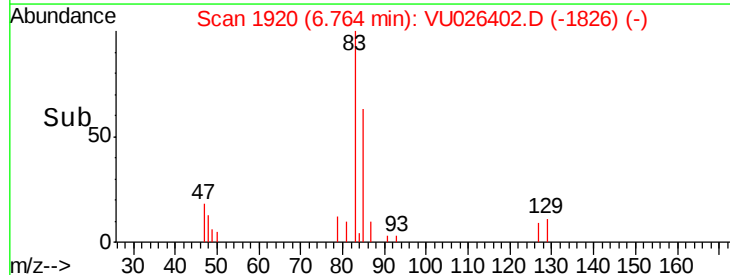
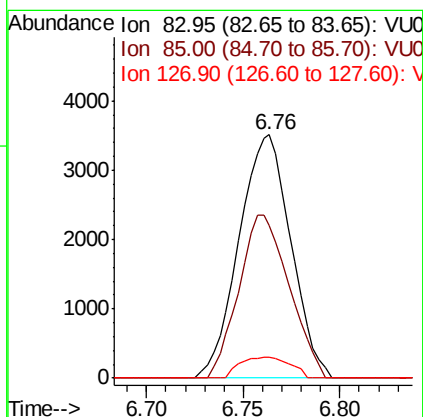
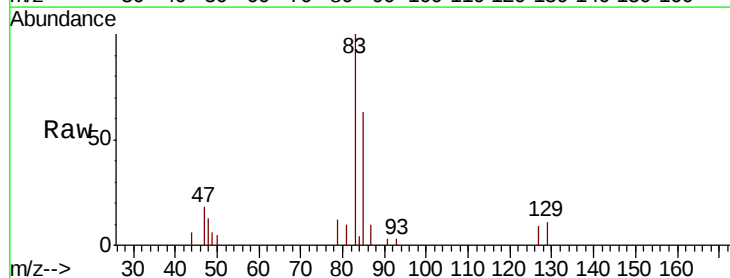
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00143

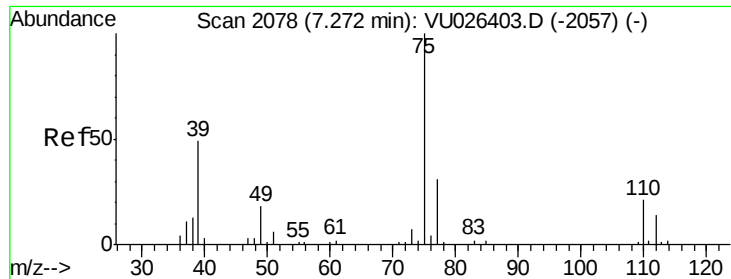
Tgt Ion: 63 Resp: 5624
 Ion Ratio Lower Upper
 63 100
 112 0.8 2.9 4.3#



#38
 Bromodichloromethane
 Concen: 0.952 ug/L
 RT: 6.76 min Scan# 1920
 Delta R.T. 0.00 min
 Lab File: VU026402.D
 Acq: 28 Aug 2018 16:30

Tgt Ion: 83 Resp: 6532
 Ion Ratio Lower Upper
 83 100
 85 62.7 44.7 83.1
 127 8.7 6.6 10.0

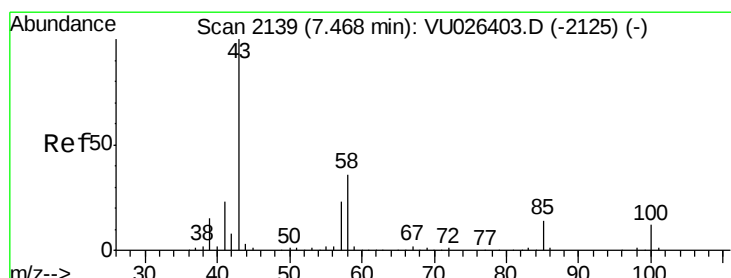
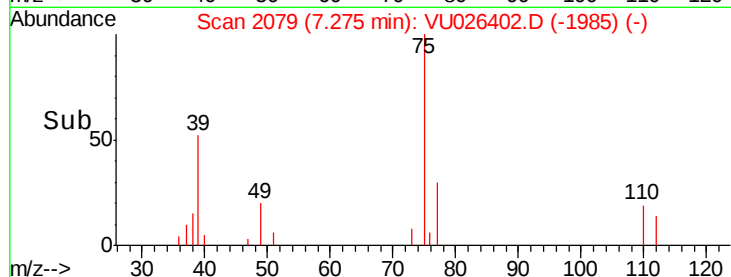
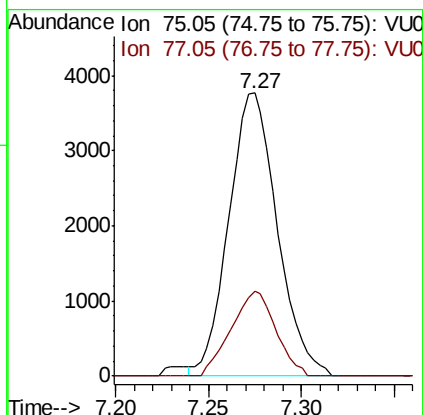
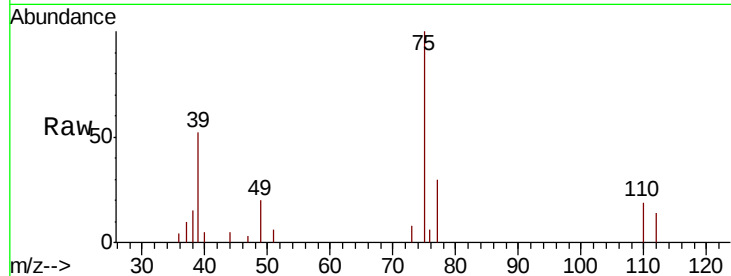




#39
 cis-1,3-Dichloropropene
 Concen: 0.925 ug/L
 RT: 7.27 min Scan# 2079
 Delta R.T. 0.00 min
 Lab File: VU026402.D
 Acq: 28 Aug 2018 16:30

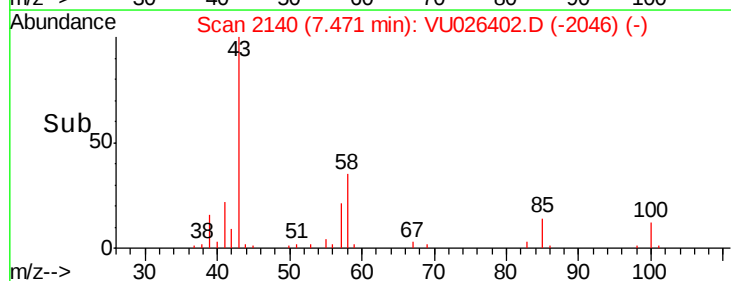
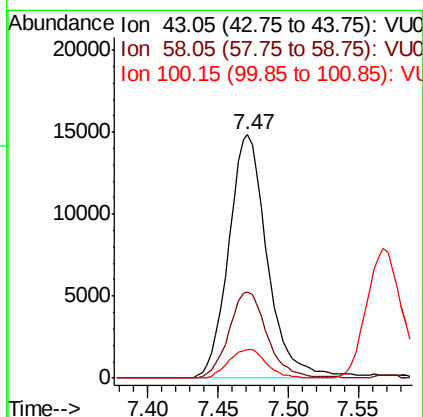
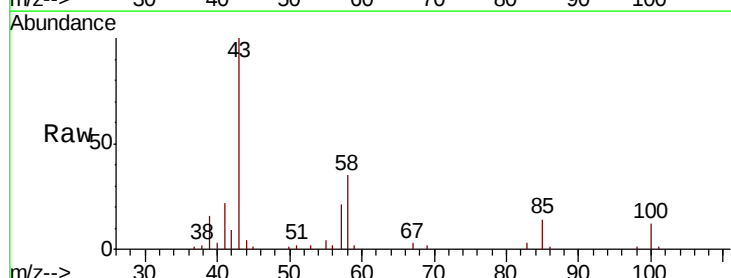
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00143

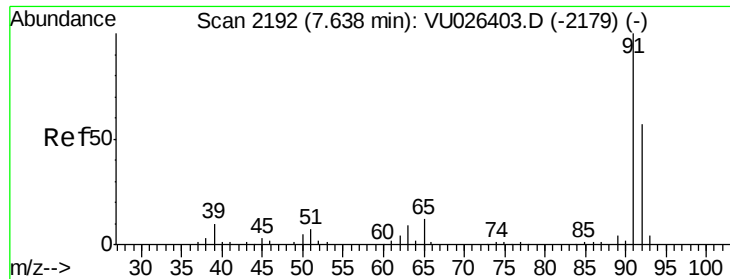
Tgt Ion: 75 Resp: 6854
 Ion Ratio Lower Upper
 75 100
 77 29.8 21.3 39.6



#40
 4-Methyl-2-pentanone
 Concen: 8.623 ug/L
 RT: 7.47 min Scan# 2140
 Delta R.T. 0.00 min
 Lab File: VU026402.D
 Acq: 28 Aug 2018 16:30

Tgt Ion: 43 Resp: 28339
 Ion Ratio Lower Upper
 43 100
 58 34.9 29.3 43.9
 100 11.5 9.8 14.8





#42

Toluene

Concen: 0.914 ug/L

RT: 7.64 min Scan# 2192

Delta R.T. 0.00 min

Lab File: VU026402.D

Acq: 28 Aug 2018 16:30

Instrument :

MSVOA_U

ClientSampleId :

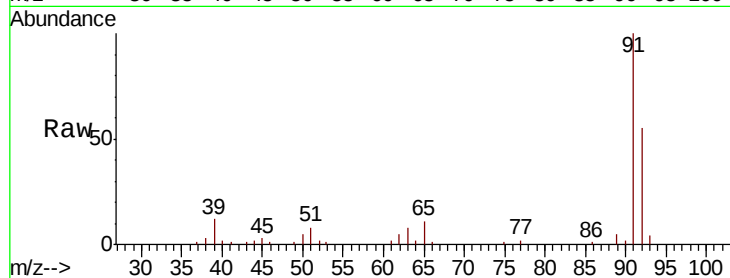
VSTD00143

Tgt Ion: 91 Resp: 19607

Ion Ratio Lower Upper

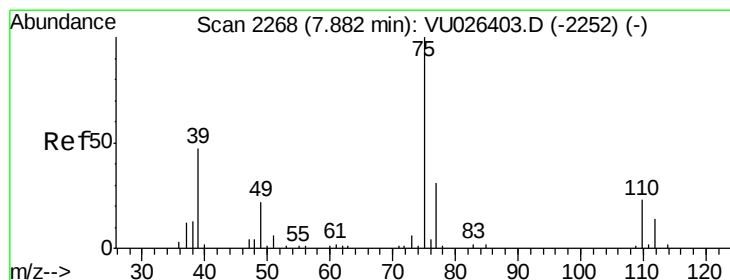
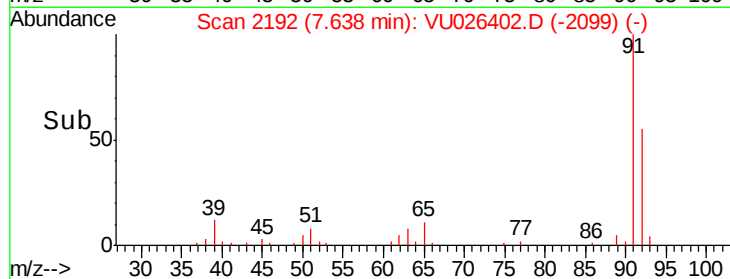
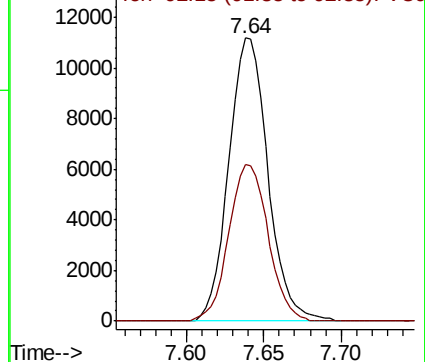
91 100

92 55.2 39.9 74.1



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: 0.872 ug/L

RT: 7.89 min Scan# 2269

Delta R.T. 0.00 min

Lab File: VU026402.D

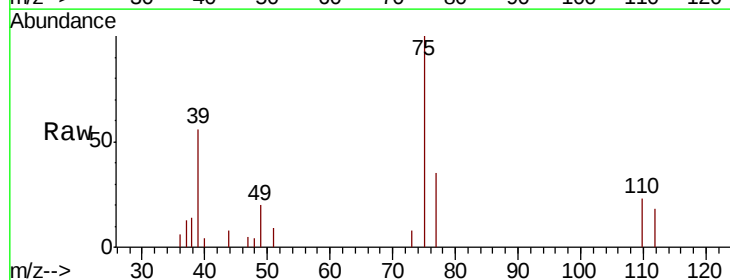
Acq: 28 Aug 2018 16:30

Tgt Ion: 75 Resp: 5328

Ion Ratio Lower Upper

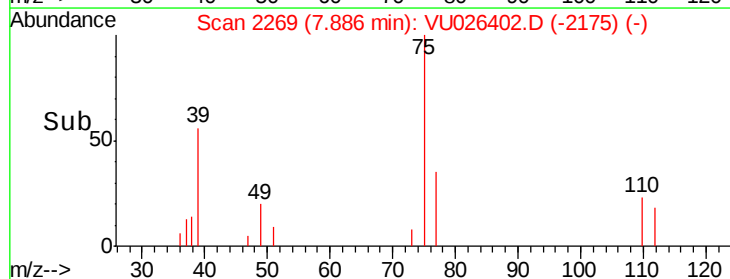
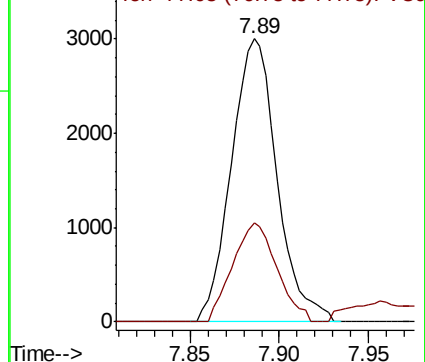
75 100

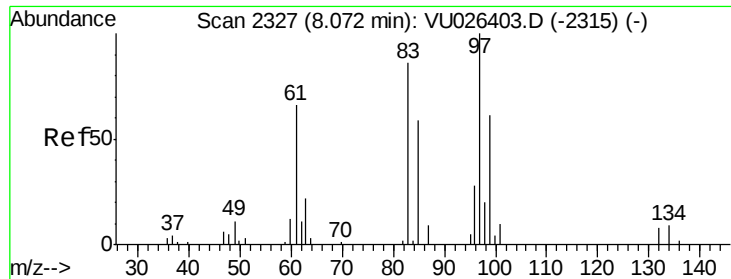
77 34.8 21.7 40.3



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

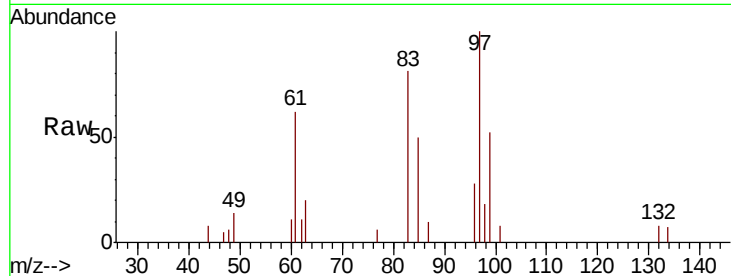




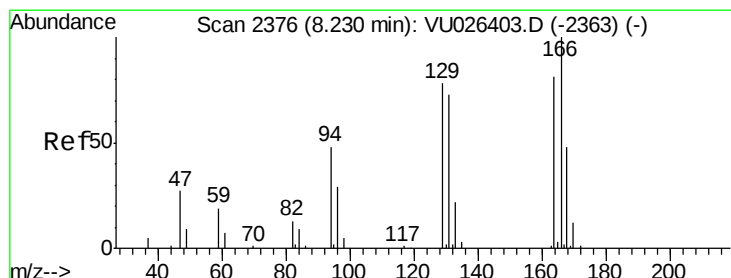
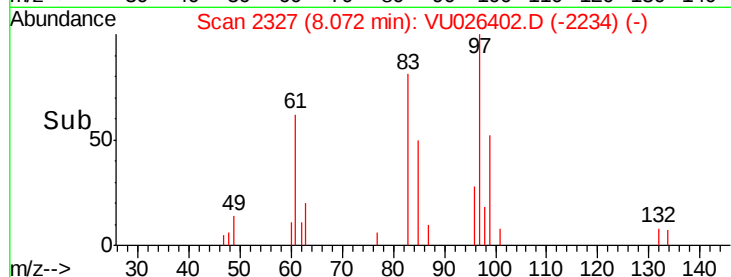
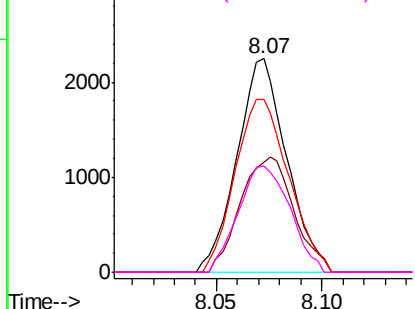
#45
 1,1,2-Trichloroethane
 Concen: 1.005 ug/L
 RT: 8.07 min Scan# 2327
 Delta R.T. 0.00 min
 Lab File: VU026402.D
 Acq: 28 Aug 2018 16:30

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00143

Tgt Ion:	97	Resp:	3679
Ion	Ratio	Lower	Upper
97	100		
99	51.6	42.4	78.8
83	81.0	60.5	112.5
85	49.7	40.9	76.0

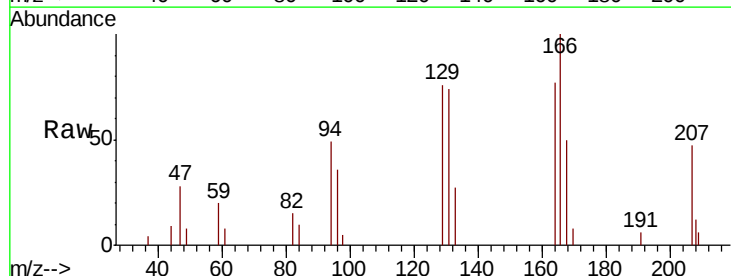


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

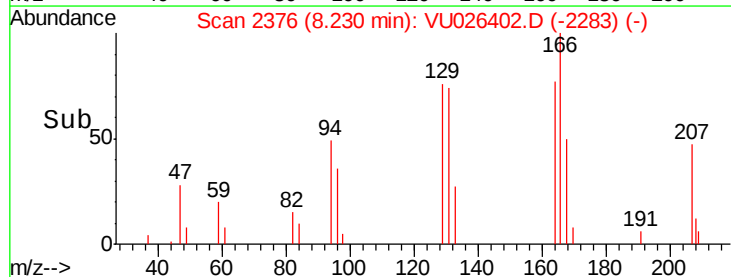
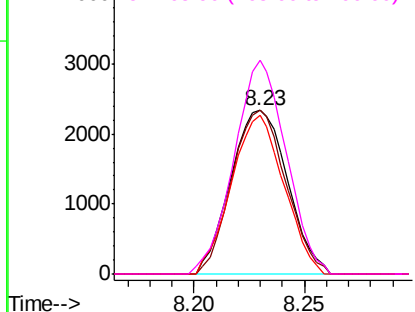


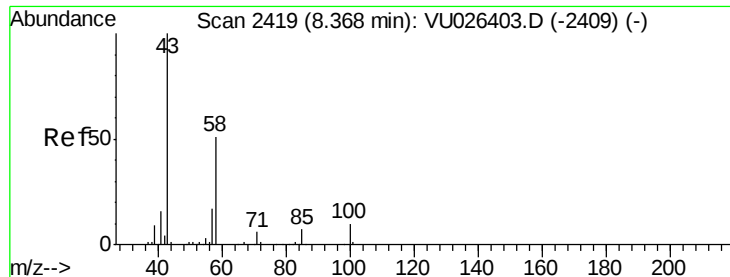
#47
 Tetrachloroethene
 Concen: 0.976 ug/L
 RT: 8.23 min Scan# 2376
 Delta R.T. 0.00 min
 Lab File: VU026402.D
 Acq: 28 Aug 2018 16:30

Tgt Ion:	164	Resp:	4174
Ion	Ratio	Lower	Upper
164	100		
129	99.8	67.8	126.0
131	96.8	63.1	117.3
166	130.5	86.5	160.7



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

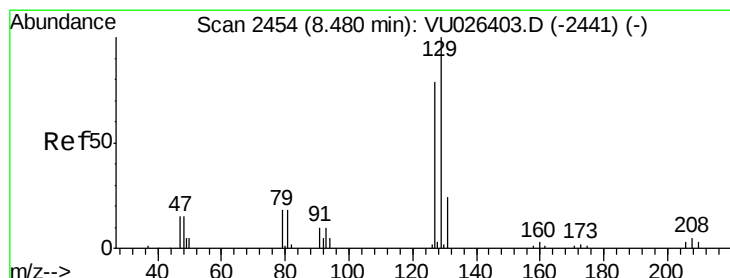
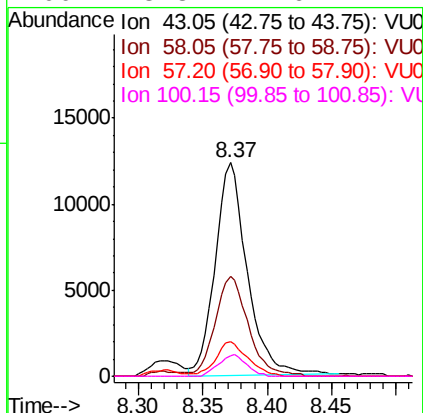
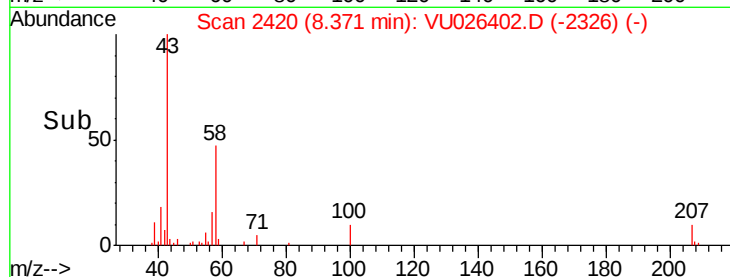
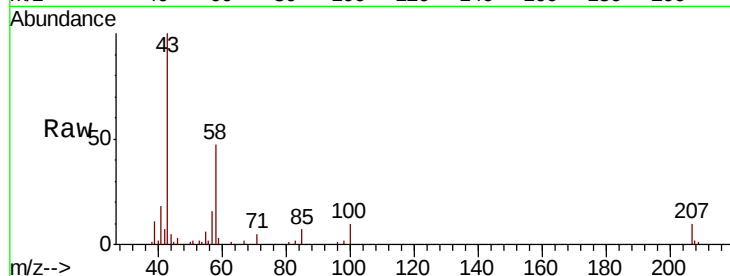




#48
2-Hexanone
Concen: 8.739 ug/L
RT: 8.37 min Scan# 2420
Delta R.T. 0.00 min
Lab File: VU026402.D
Acq: 28 Aug 2018 16:30

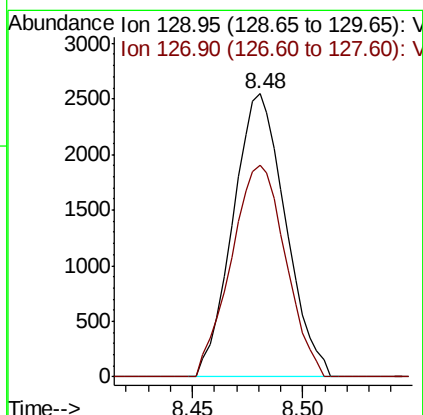
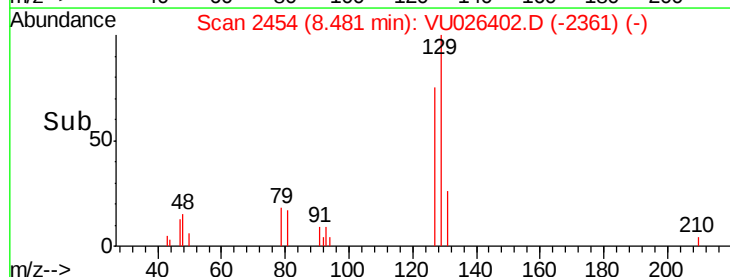
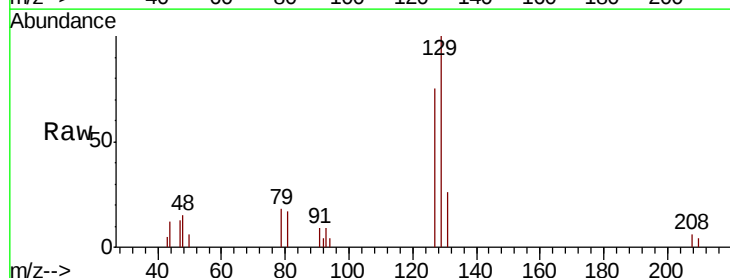
Instrument :
MSVOA_U
ClientSampleId :
VSTD00143

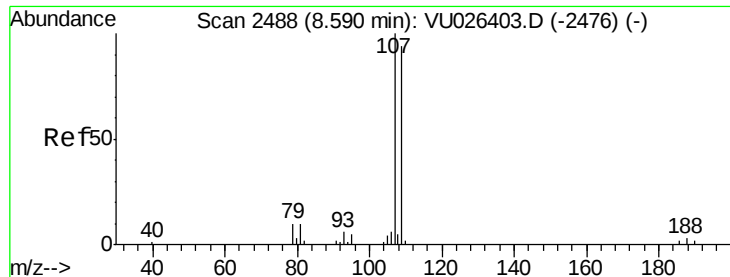
Tgt Ion: 43 Resp: 21269
Ion Ratio Lower Upper
43 100
58 48.8 40.5 60.7
57 16.5 14.0 21.0
100 8.8 7.6 11.4



#49
Dibromochloromethane
Concen: 0.942 ug/L
RT: 8.48 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VU026402.D
Acq: 28 Aug 2018 16:30

Tgt Ion: 129 Resp: 4206
Ion Ratio Lower Upper
129 100
127 74.8 55.6 103.2

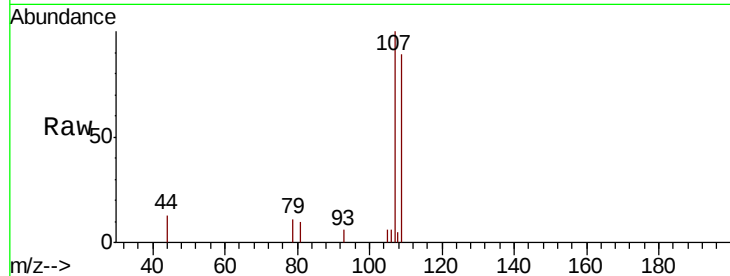




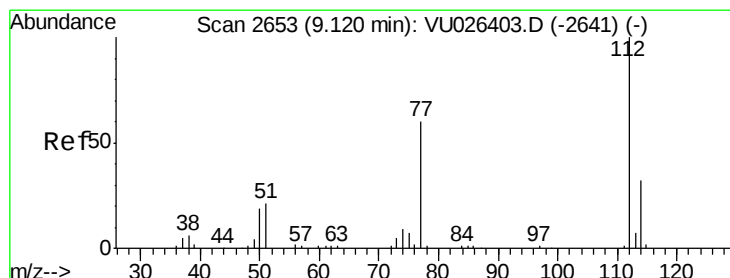
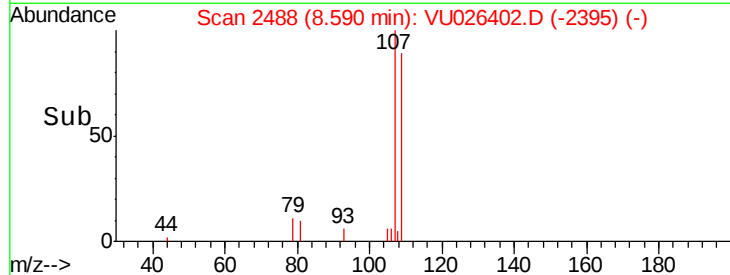
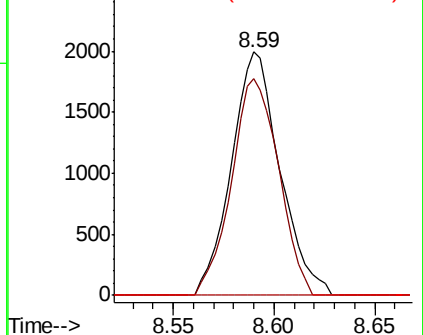
#50
 1,2-Dibromoethane
 Concen: 0.970 ug/L
 RT: 8.59 min Scan# 2488
 Delta R.T. 0.00 min
 Lab File: VU026402.D
 Acq: 28 Aug 2018 16:30

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00143

Tgt Ion:107 Resp: 3358
 Ion Ratio Lower Upper
 107 100
 109 89.1 65.7 121.9
 188 0.0 2.7 4.1#

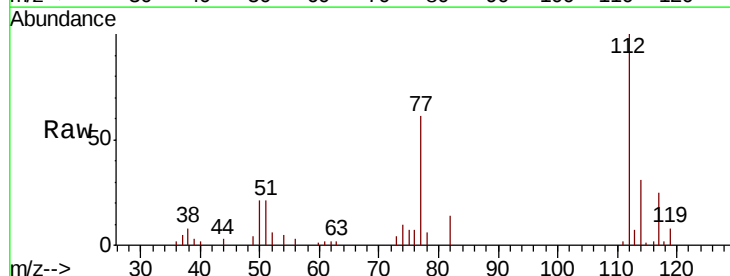


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

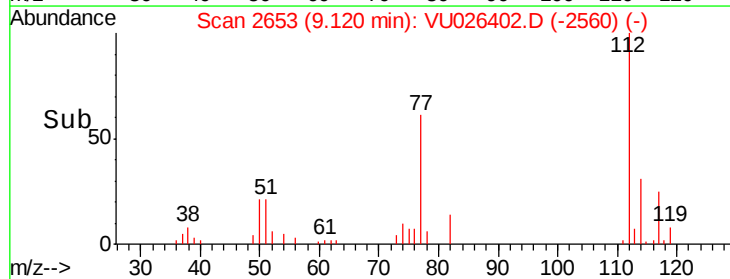
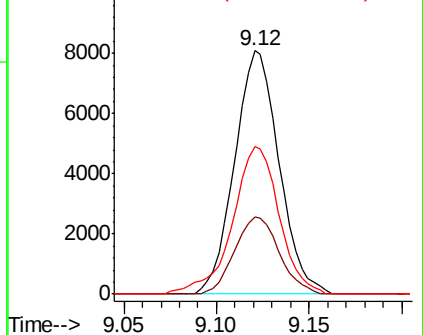


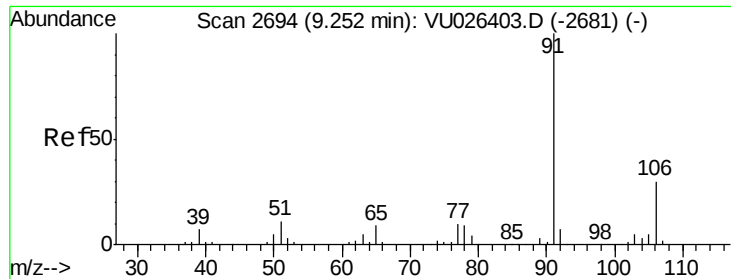
#51
 Chlorobenzene
 Concen: 0.969 ug/L
 RT: 9.12 min Scan# 2653
 Delta R.T. 0.00 min
 Lab File: VU026402.D
 Acq: 28 Aug 2018 16:30

Tgt Ion:112 Resp: 13484
 Ion Ratio Lower Upper
 112 100
 114 31.5 22.3 41.3
 77 60.6 48.4 72.6



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

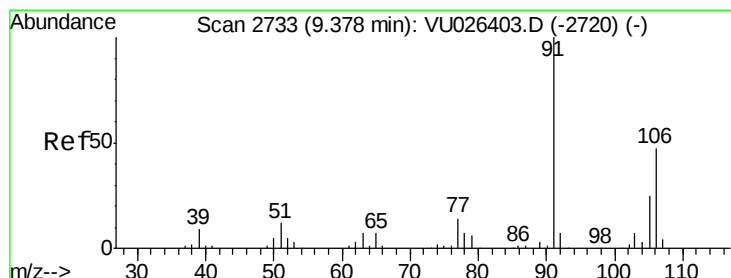
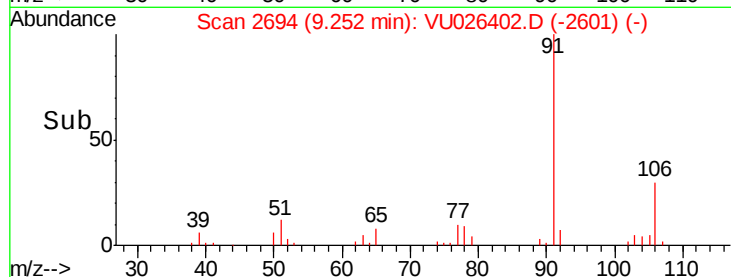
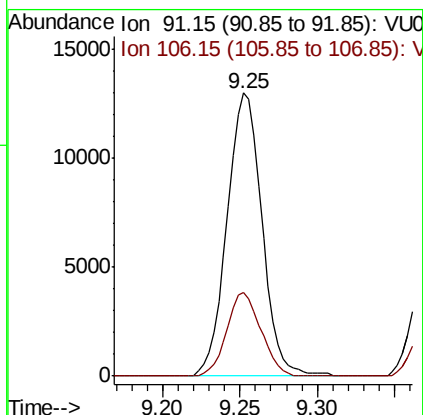
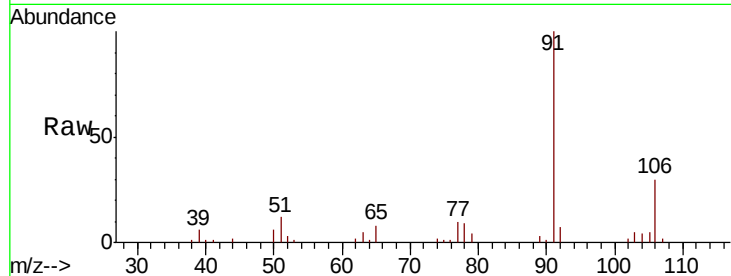




#52
Ethylbenzene
Concen: 0.895 ug/L
RT: 9.25 min Scan# 2694
Delta R.T. 0.00 min
Lab File: VU026402.D
Acq: 28 Aug 2018 16:30

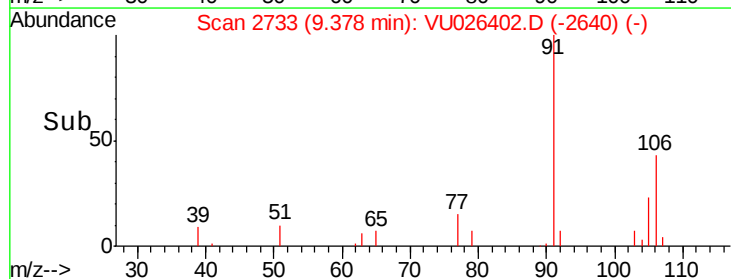
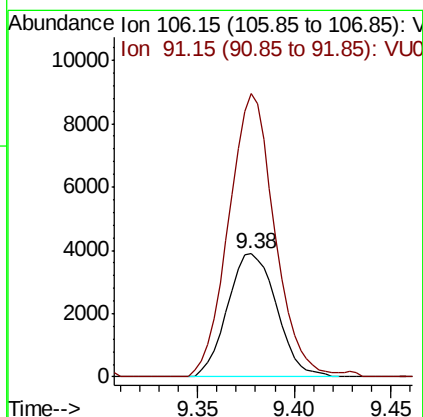
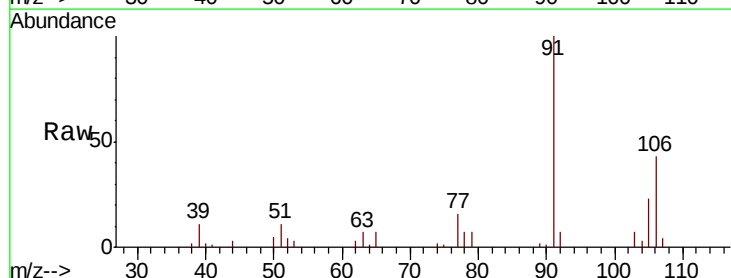
Instrument :
MSVOA_U
ClientSampleId :
VSTD00143

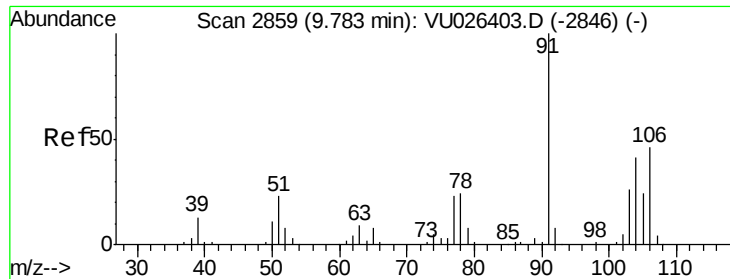
Tgt Ion: 91 Resp: 20336
Ion Ratio Lower Upper
91 100
106 29.7 21.2 39.4



#53
m,p-xylene
Concen: 0.823 ug/L
RT: 9.38 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU026402.D
Acq: 28 Aug 2018 16:30

Tgt Ion: 106 Resp: 6878
Ion Ratio Lower Upper
106 100
91 230.2 148.4 275.6





#54

o-xylene

Concen: 0.841 ug/L

RT: 9.78 min Scan# 2859

Delta R.T. 0.00 min

Lab File: VU026402.D

Acq: 28 Aug 2018 16:30

Instrument :

MSVOA_U

ClientSampleId :

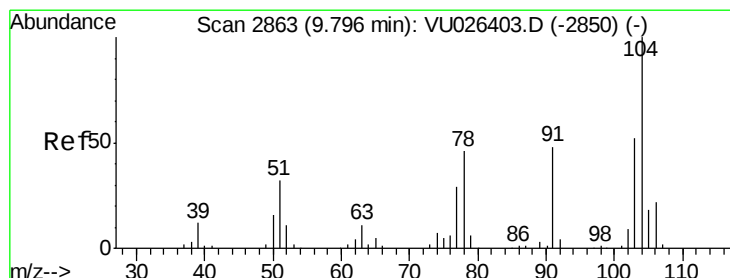
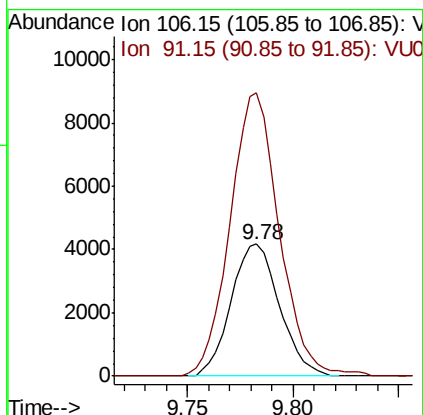
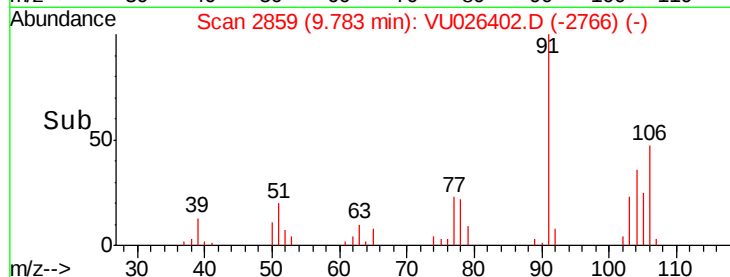
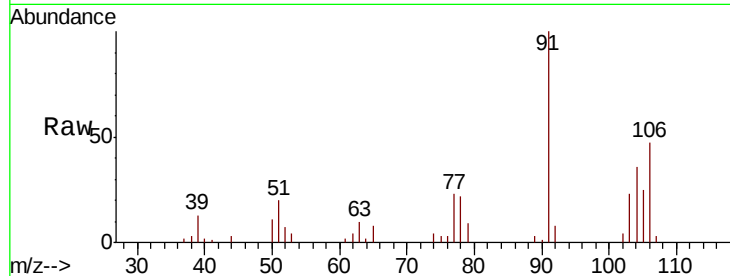
VSTD00143

Tgt Ion:106 Resp: 6651

Ion Ratio Lower Upper

106 100

91 214.3 152.9 283.9



#55

Styrene

Concen: 0.799 ug/L

RT: 9.80 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VU026402.D

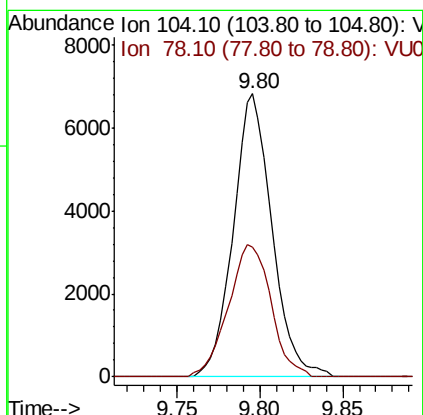
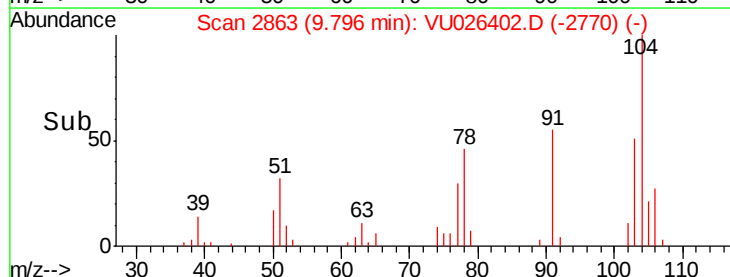
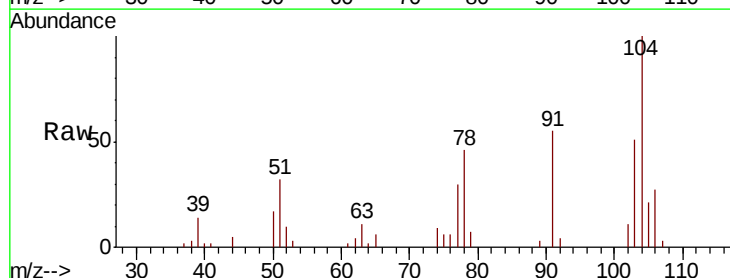
Acq: 28 Aug 2018 16:30

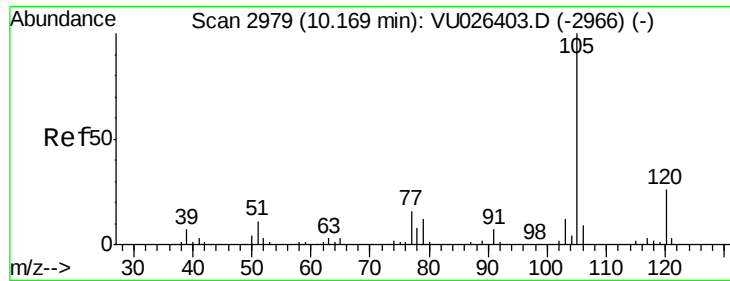
Tgt Ion:104 Resp: 11066

Ion Ratio Lower Upper

104 100

78 45.9 32.4 60.2





#56

Isopropylbenzene

Concen: 0.847 ug/L

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU026402.D

Acq: 28 Aug 2018 16:30

Instrument :

MSVOA_U

ClientSampleId :

VSTD00143

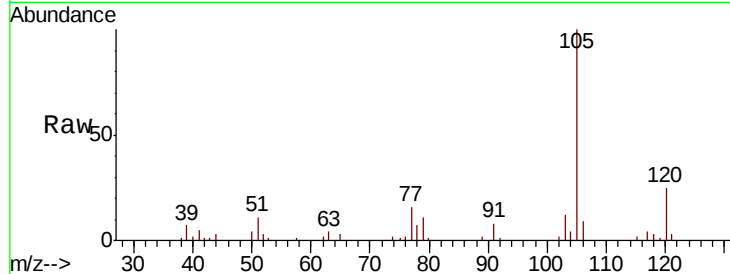
Tgt Ion: 105 Resp: 17828

Ion Ratio Lower Upper

105 100

120 25.0 20.8 31.2

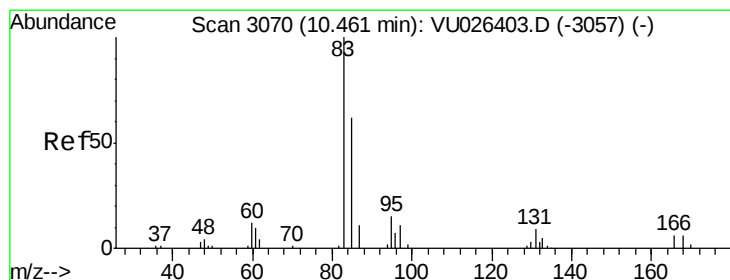
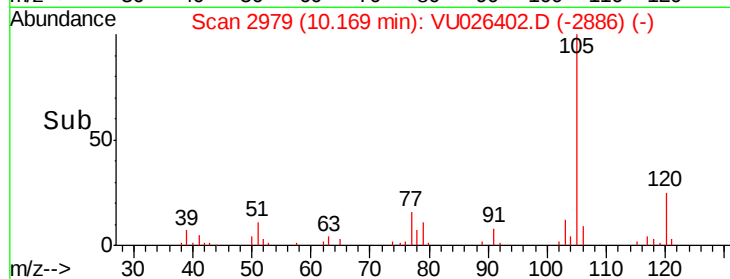
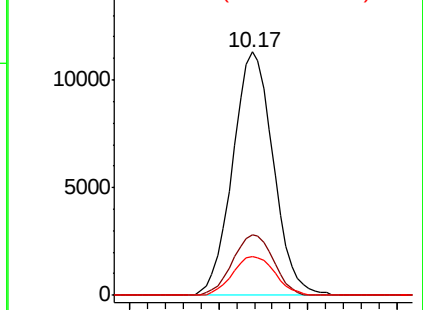
77 16.6 13.4 20.2



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: 0.980 ug/L

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU026402.D

Acq: 28 Aug 2018 16:30

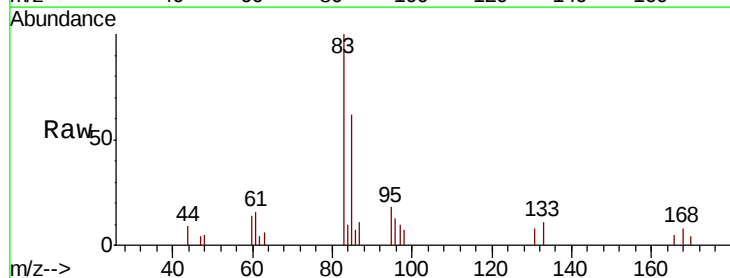
Tgt Ion: 83 Resp: 4700

Ion Ratio Lower Upper

83 100

85 62.5 44.1 81.9

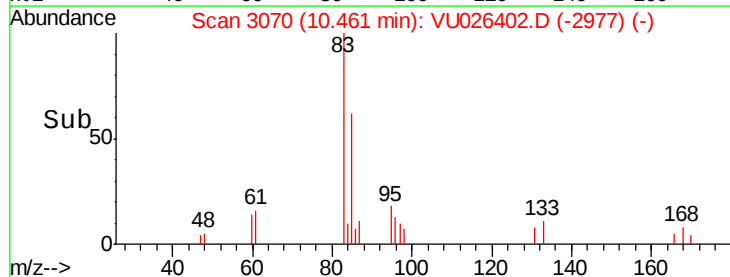
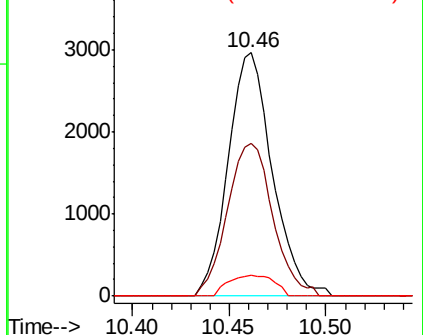
131 8.3 7.3 10.9

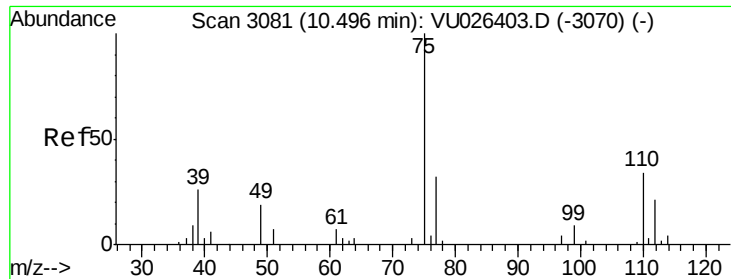


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

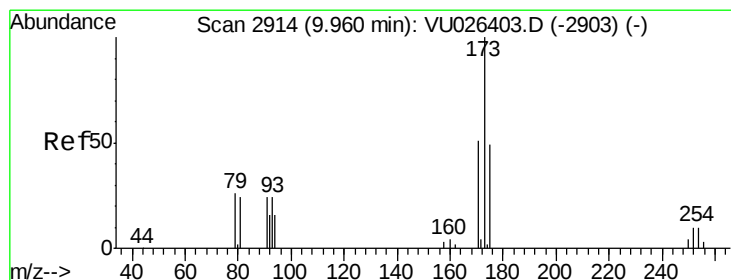
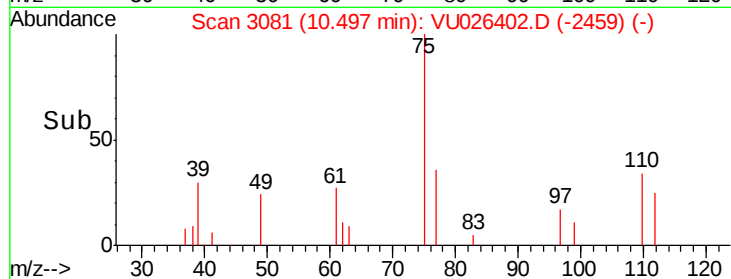
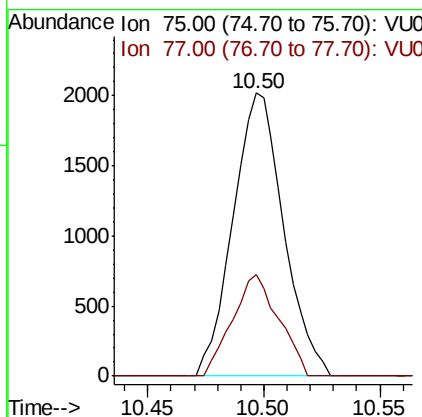
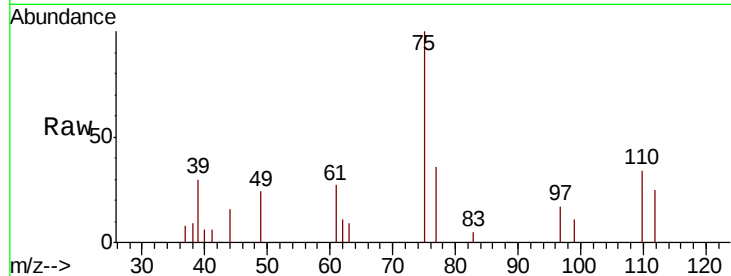




#59
 1,2,3-Trichloropropane
 Concen: 0.905 ug/L
 RT: 10.50 min Scan# 3081
 Delta R.T. 0.00 min
 Lab File: VU026402.D
 Acq: 28 Aug 2018 16:30

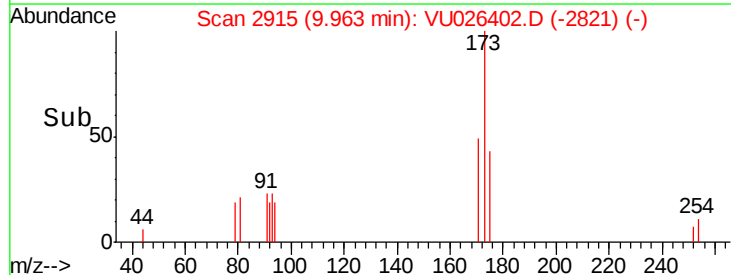
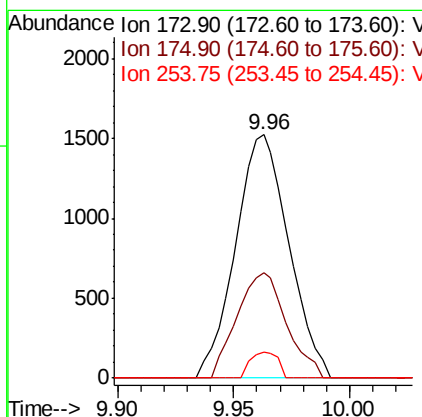
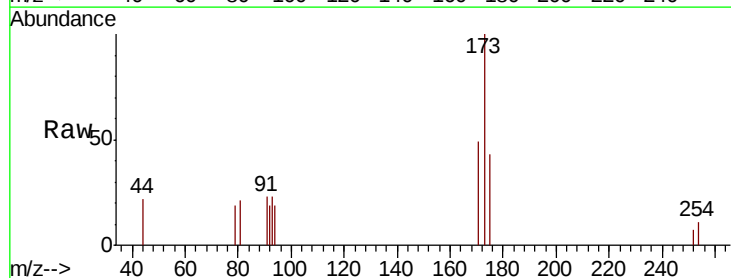
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00143

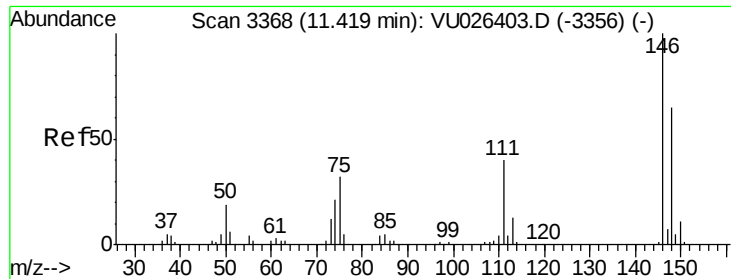
Tgt Ion: 75 Resp: 3053
 Ion Ratio Lower Upper
 75 100
 77 32.8 25.0 37.4



#61
 Bromoform
 Concen: 1.069 ug/L
 RT: 9.96 min Scan# 2915
 Delta R.T. 0.00 min
 Lab File: VU026402.D
 Acq: 28 Aug 2018 16:30

Tgt Ion: 173 Resp: 2433
 Ion Ratio Lower Upper
 173 100
 175 40.3 40.0 60.0
 254 5.6 7.9 11.9#

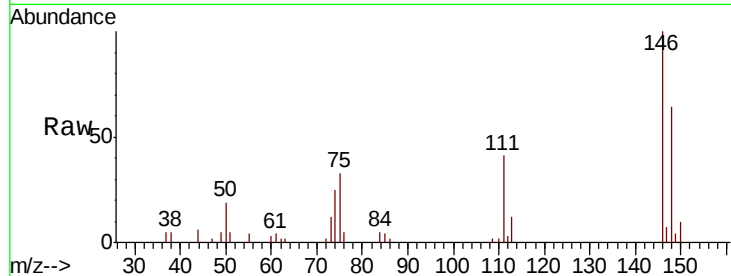




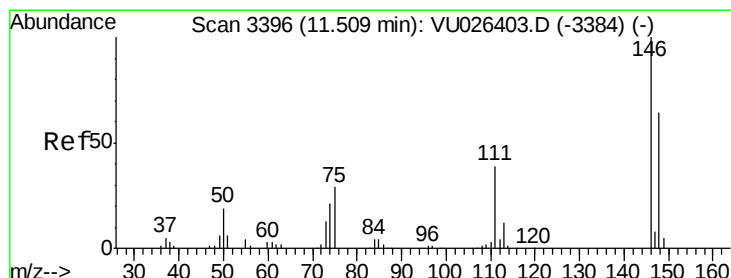
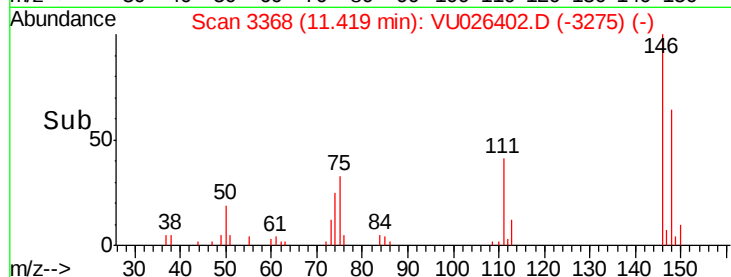
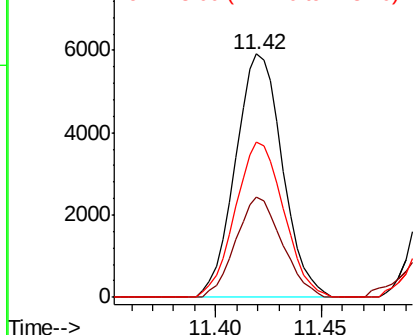
#62
 1,3-Dichlorobenzene
 Concen: 0.991 ug/L
 RT: 11.42 min Scan# 3368
 Delta R.T. 0.00 min
 Lab File: VU026402.D
 Acq: 28 Aug 2018 16:30

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00143

Tgt Ion:146 Resp: 9184
 Ion Ratio Lower Upper
 146 100
 111 41.3 28.1 52.1
 148 63.7 45.4 84.4

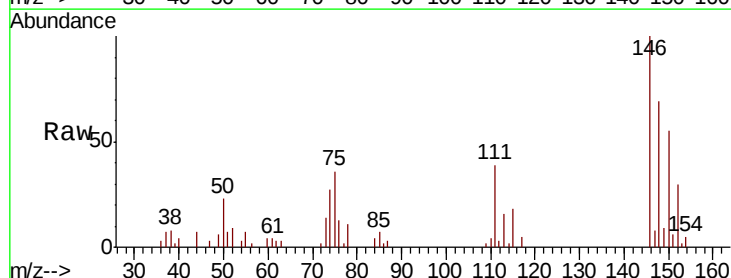


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

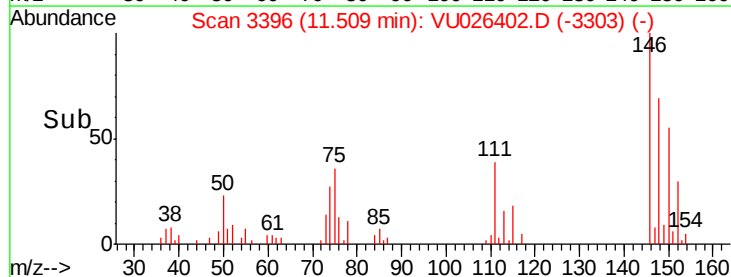
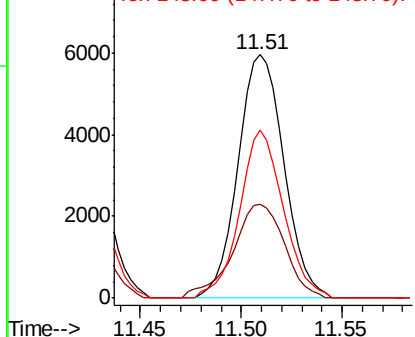


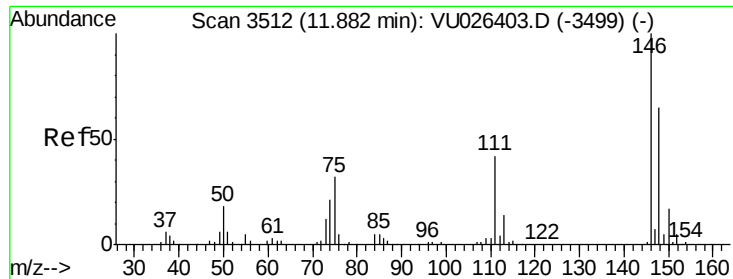
#63
 1,4-Dichlorobenzene
 Concen: 0.978 ug/L
 RT: 11.51 min Scan# 3396
 Delta R.T. 0.00 min
 Lab File: VU026402.D
 Acq: 28 Aug 2018 16:30

Tgt Ion:146 Resp: 9535
 Ion Ratio Lower Upper
 146 100
 111 38.6 27.2 50.4
 148 69.0 44.9 83.5



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





#65

1,2-Dichlorobenzene

Concen: 0.993 ug/L

RT: 11.88 min Scan# 3512

Delta R.T. 0.00 min

Lab File: VU026402.D

Acq: 28 Aug 2018 16:30

Instrument :

MSVOA_U

ClientSampleId :

VSTD00143

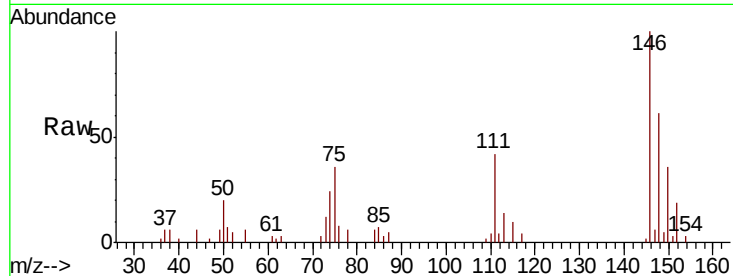
Tgt Ion:146 Resp: 9094

Ion Ratio Lower Upper

146 100

111 41.7 33.7 50.5

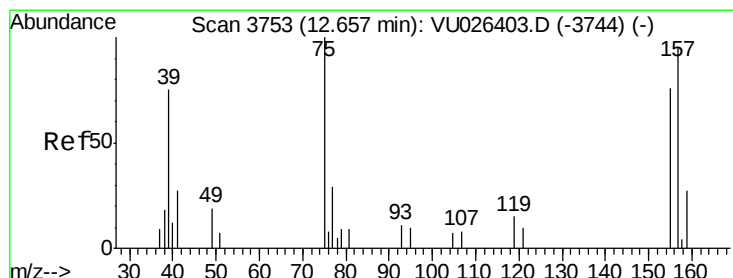
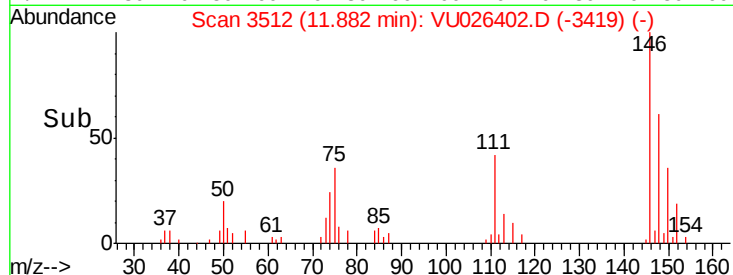
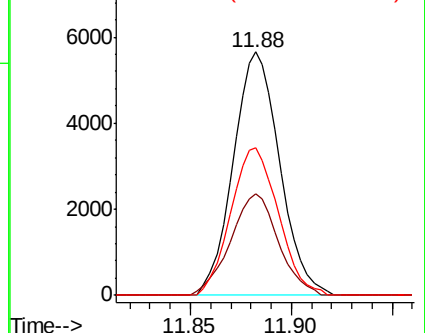
148 60.6 51.9 77.9



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: 0.967 ug/L

RT: 12.66 min Scan# 3753

Delta R.T. 0.00 min

Lab File: VU026402.D

Acq: 28 Aug 2018 16:30

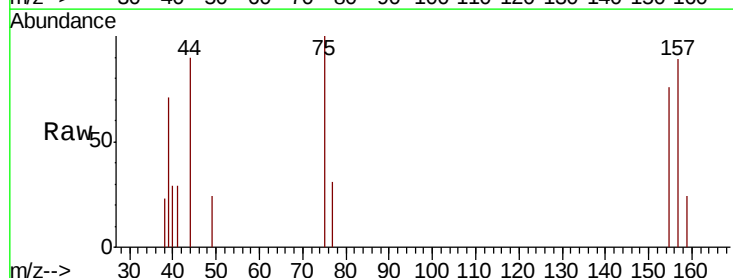
Tgt Ion: 75 Resp: 592

Ion Ratio Lower Upper

75 100

155 76.3 60.8 91.2

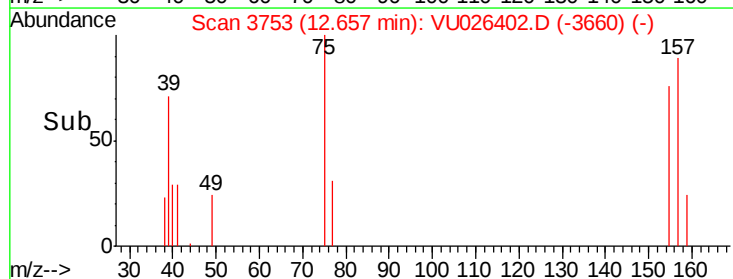
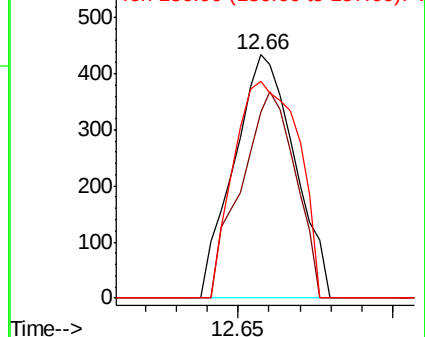
157 89.2 75.9 113.9

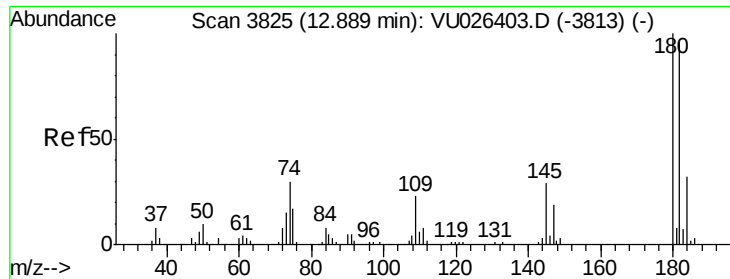


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

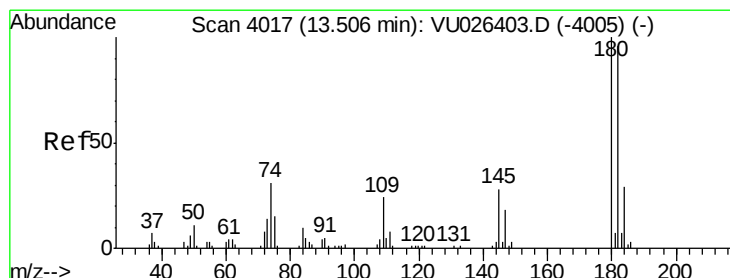
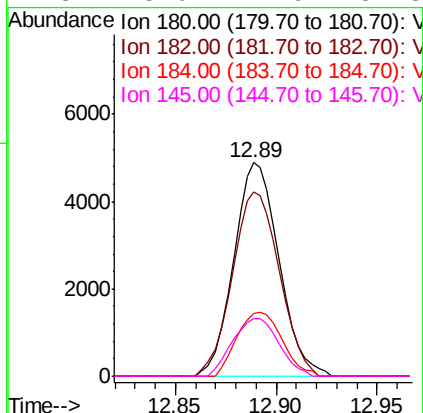
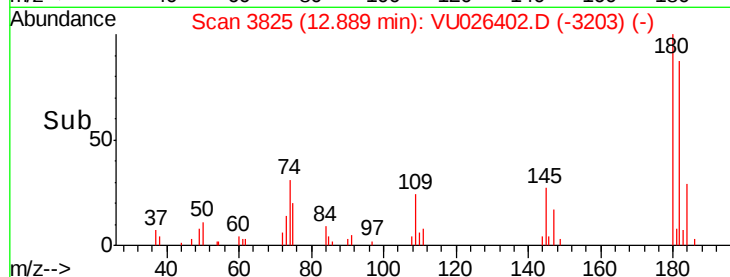
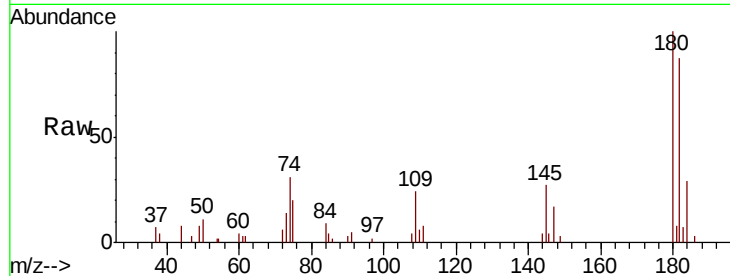




#67
 1,3,5-Trichlorobenzene
 Concen: 0.990 ug/L
 RT: 12.89 min Scan# 3825
 Delta R.T. 0.00 min
 Lab File: VU026402.D
 Acq: 28 Aug 2018 16:30

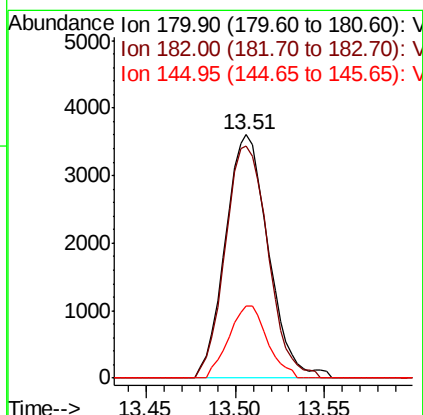
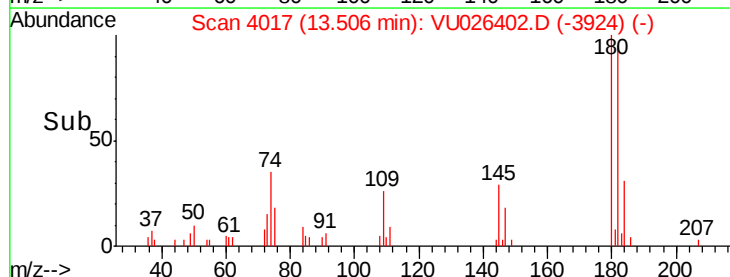
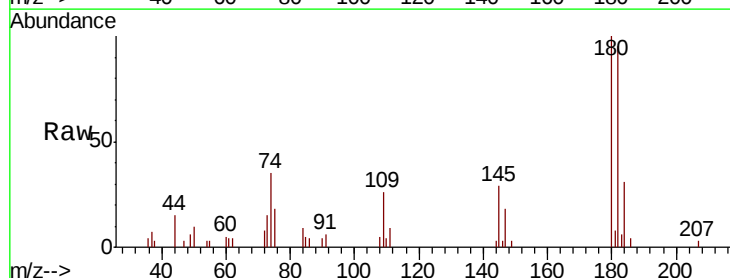
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00143

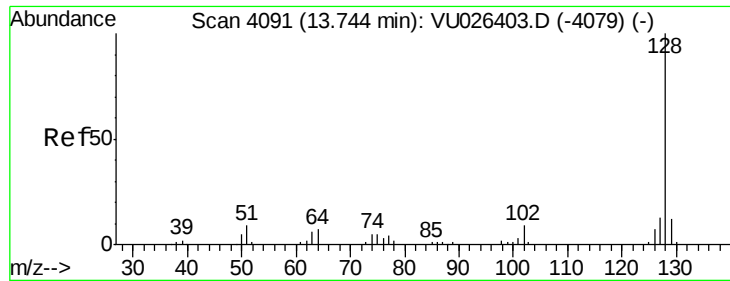
Tgt Ion:	180	Resp:	7670
Ion	Ratio	Lower	Upper
180	100		
182	89.6	78.0	117.0
184	30.0	25.0	37.6
145	28.0	22.9	34.3



#68
 1,2,4-trichlorobenzene
 Concen: 0.968 ug/L
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU026402.D
 Acq: 28 Aug 2018 16:30

Tgt Ion:	180	Resp:	6026
Ion	Ratio	Lower	Upper
180	100		
182	95.0	76.9	115.3
145	26.5	23.6	35.4





#69

Naphthalene

Concen: 0.864 ug/L

RT: 13.75 min Scan# 4092

Delta R.T. 0.00 min

Lab File: VU026402.D

Acq: 28 Aug 2018 16:30

Instrument :

MSVOA_U

ClientSampleId :

VSTD00143

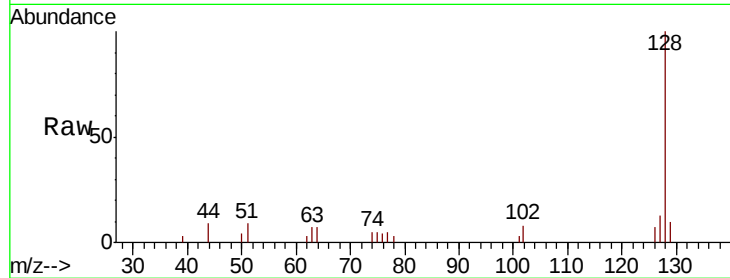
Tgt Ion:128 Resp: 8215

Ion Ratio Lower Upper

128 100

129 8.8 9.0 13.6#

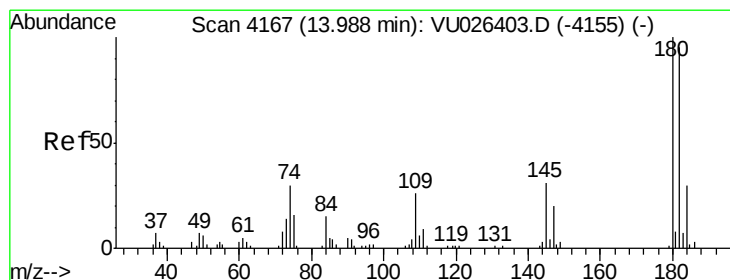
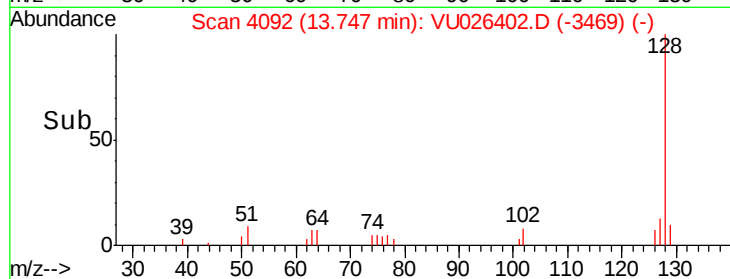
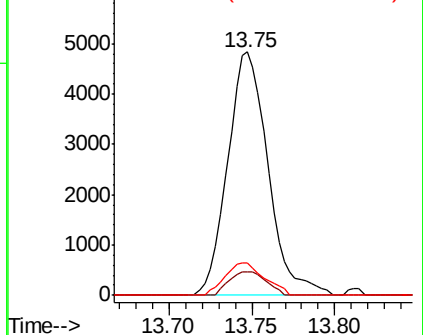
127 12.9 10.6 15.8



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: 0.934 ug/L

RT: 13.99 min Scan# 4168

Delta R.T. 0.00 min

Lab File: VU026402.D

Acq: 28 Aug 2018 16:30

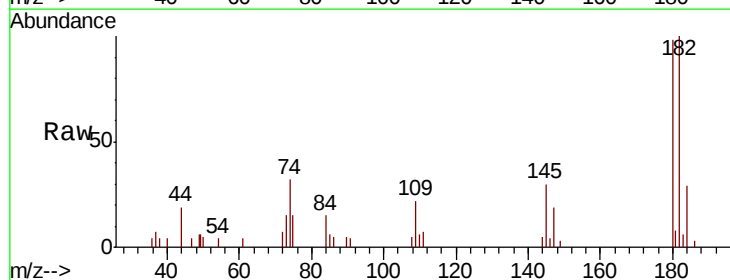
Tgt Ion:180 Resp: 5378

Ion Ratio Lower Upper

180 100

182 97.5 75.4 113.2

145 30.1 23.8 35.8



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

