

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU082818\
 Data File : VU026404.D
 Acq On : 28 Aug 2018 17:18
 Operator : MD/SY
 Sample : VSTD01045
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01045

Quant Time: Aug 28 23:51:41 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	67680	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	67504	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	35340	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	85409	9.45	ug/L	0.00
7) Chloroethane-d5	1.68	69	64606	9.53	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.27	63	145227	9.52	ug/L	0.00
20) 2-Butanone-d5	4.20	46	157331	94.37	ug/L	0.00
24) Chloroform-d	4.65	84	107109	10.36	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	60410	9.30	ug/L	0.00
32) Benzene-d6	5.34	84	227590	9.85	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.34	67	74324	9.70	ug/L	0.00
41) Toluene-d8	7.57	98	218724	10.11	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	28544	10.23	ug/L	0.00
46) 2-Hexanone-d5	8.32	63	135977	109.82	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.44	84	57153	9.63	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	76732	9.30	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	62810	9.673 ug/L	98
3) Chloromethane	1.33	50	83094	9.672 ug/L	100
5) Vinyl chloride	1.40	62	85114	9.838 ug/L	99
6) Bromomethane	1.62	94	42472	10.211 ug/L	98
8) Chloroethane	1.70	64	48928	9.611 ug/L	96
9) Trichlorofluoromethane	1.89	101	101707	9.866 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	59269	9.801 ug/L	99
12) 1,1-Dichloroethene	2.28	96	55361	9.986 ug/L	97
13) Acetone	2.32	43	111606	90.663 ug/L	99
14) Carbon disulfide	2.48	76	197427	9.698 ug/L	100
15) Methyl Acetate	2.62	43	30528	8.793 ug/L	99
16) Methylene chloride	2.70	84	62130	8.968 ug/L	97
17) Methyl tert-butyl Ether	3.01	73	138736	9.972 ug/L	99
18) trans-1,2-Dichloroethene	2.98	96	58953	9.736 ug/L	95
19) 1,1-Dichloroethane	3.45	63	123574	9.838 ug/L	99
21) 2-Butanone	4.28	43	154657	97.921 ug/L	97
22) cis-1,2-Dichloroethene	4.23	96	57701	9.405 ug/L	97
23) Bromochloromethane	4.55	128	24424	9.836 ug/L	98
25) Chloroform	4.68	83	109374	9.054 ug/L	97
27) 1,2-Dichloroethane	5.41	62	66326	9.861 ug/L	96
29) 1,1,1-Trichloroethane	4.91	97	85073	10.035 ug/L	98
30) Cyclohexane	4.99	56	90585	10.449 ug/L	99
31) Carbon tetrachloride	5.13	117	77334	10.115 ug/L	100
33) Benzene	5.39	78	225241	10.055 ug/L	100
34) Trichloroethene	6.19	95	57084	9.436 ug/L	98
35) Methylcyclohexane	6.42	83	93417	10.857 ug/L	98
37) 1,2-Dichloropropane	6.44	63	62435	10.052 ug/L	99
38) Bromodichloromethane	6.76	83	73039	10.003 ug/L	98
39) cis-1,3-Dichloropropene	7.27	75	82316	10.435 ug/L	97
40) 4-Methyl-2-pentanone	7.47	43	377490	107.933 ug/L	99

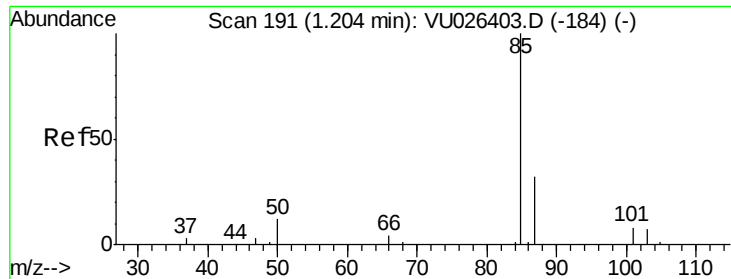
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU082818\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.64	91	243043	10.647	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	69062	10.626	ug/L	99
45) 1,1,2-Trichloroethane	8.07	97	38693	9.930	ug/L	97
47) Tetrachloroethene	8.23	164	45695	10.042	ug/L	99
48) 2-Hexanone	8.37	43	276937	106.921	ug/L	98
49) Dibromochloromethane	8.48	129	47814	10.063	ug/L	99
50) 1,2-Dibromoethane	8.59	107	36455	9.894	ug/L	99
51) Chlorobenzene	9.12	112	148256	10.012	ug/L	99
52) Ethylbenzene	9.25	91	262163	10.837	ug/L	99
53) m,p-xylene	9.38	106	98828	11.107	ug/L	98
54) o-xylene	9.78	106	94019	11.169	ug/L	99
55) Styrene	9.80	104	168103	11.401	ug/L	98
56) Isopropylbenzene	10.17	105	252141	11.261	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.46	83	50722	9.933	ug/L	99
59) 1,2,3-Trichloropropane	10.50	75	35540	9.903	ug/L	98
61) Bromoform	9.96	173	26829	9.587	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	113481	9.957	ug/L	99
63) 1,4-Dichlorobenzene	11.51	146	117450	9.798	ug/L	98
65) 1,2-Dichlorobenzene	11.88	146	112146	9.957	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.66	75	7390	9.810	ug/L	97
67) 1,3,5-Trichlorobenzene	12.89	180	93983	9.863	ug/L	100
68) 1,2,4-trichlorobenzene	13.51	180	79549	10.384	ug/L	98
69) Naphthalene	13.74	128	128799	11.013	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	73254	10.340	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 9.673 ug/L

RT: 1.20 min Scan# 191

Delta R.T. -0.00 min

Lab File: VU026404.D

Acq: 28 Aug 2018 17:18

Instrument :

MSVOA_U

ClientSampleId :

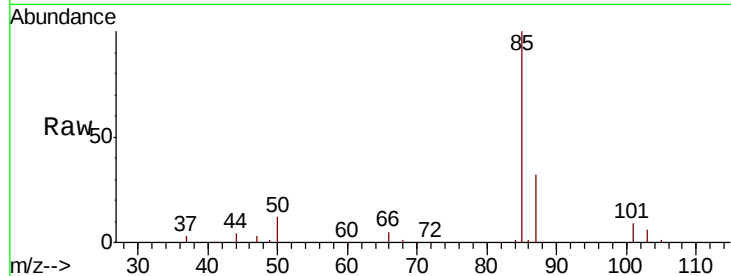
VSTD01045

Tgt Ion: 85 Resp: 62810

Ion Ratio Lower Upper

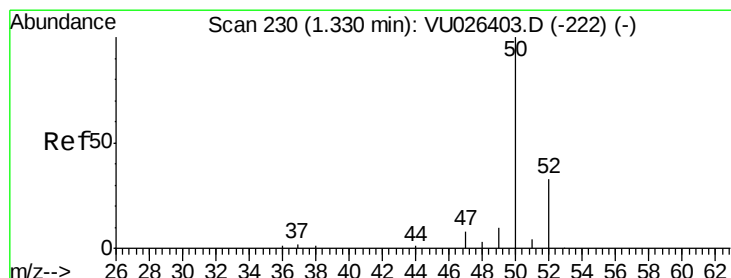
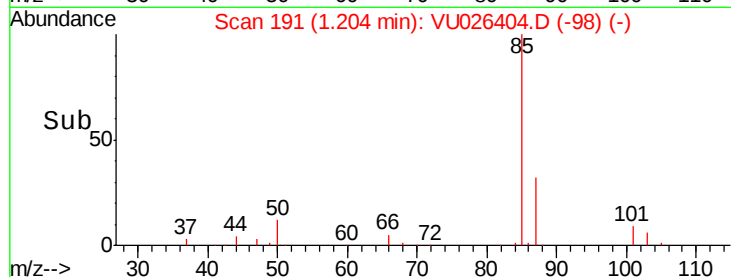
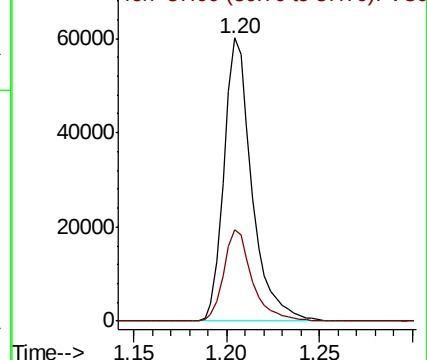
85 100

87 32.8 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: 9.672 ug/L

RT: 1.33 min Scan# 230

Delta R.T. -0.00 min

Lab File: VU026404.D

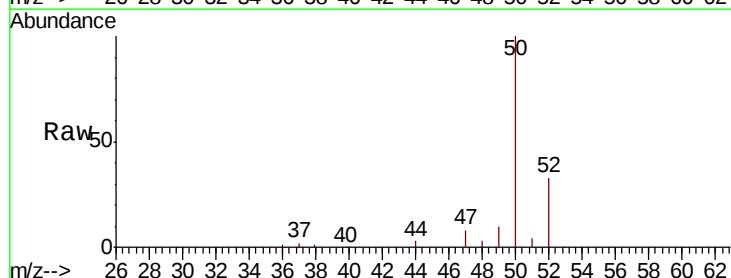
Acq: 28 Aug 2018 17:18

Tgt Ion: 50 Resp: 83094

Ion Ratio Lower Upper

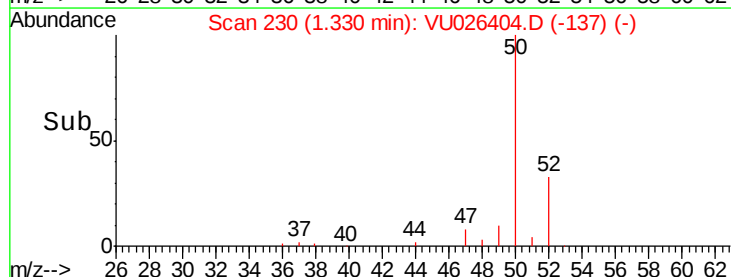
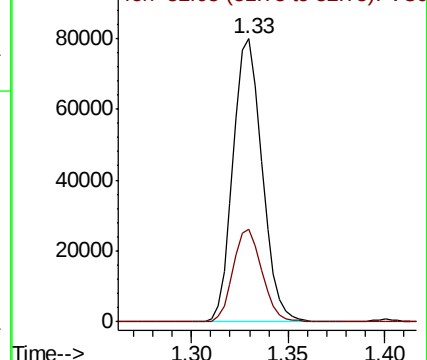
50 100

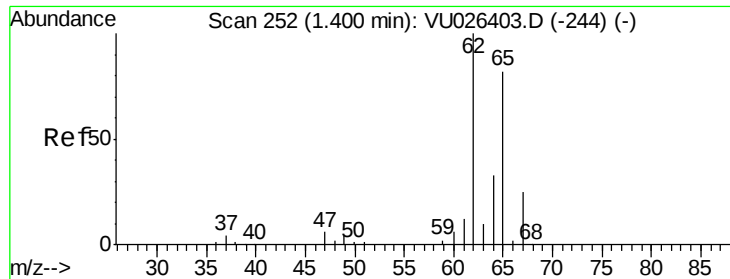
52 32.5 23.0 42.6



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0





#5

Vinyl chloride

Concen: 9.838 ug/L

RT: 1.40 min Scan# 252

Delta R.T. -0.00 min

Lab File: VU026404.D

Acq: 28 Aug 2018 17:18

Instrument :

MSVOA_U

ClientSampleId :

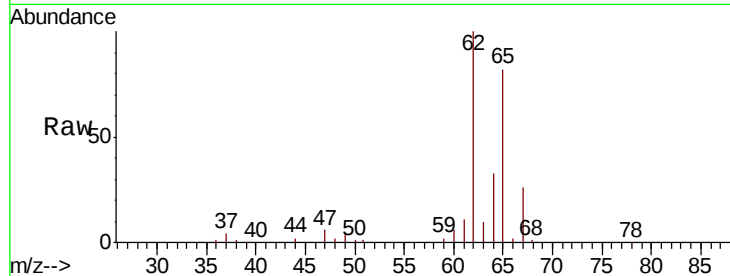
VSTD01045

Tgt Ion: 62 Resp: 85114

Ion Ratio Lower Upper

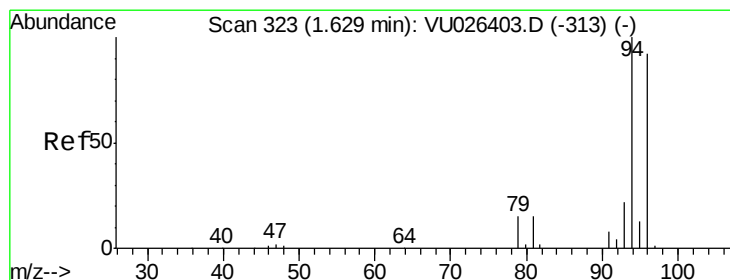
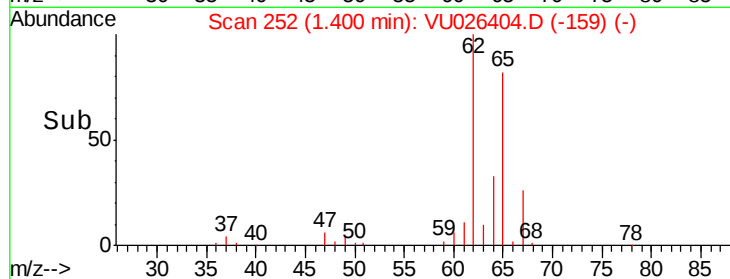
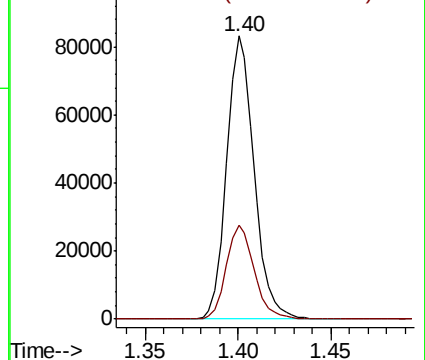
62 100

64 33.2 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: 10.211 ug/L

RT: 1.62 min Scan# 321

Delta R.T. -0.01 min

Lab File: VU026404.D

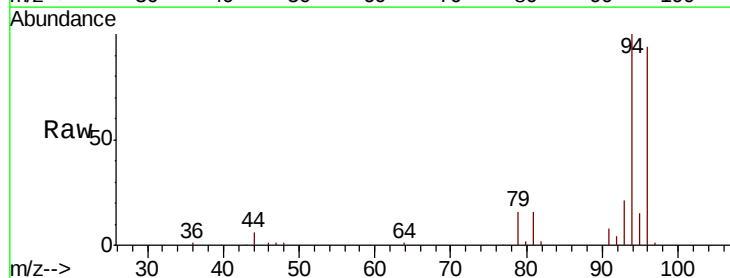
Acq: 28 Aug 2018 17:18

Tgt Ion: 94 Resp: 42472

Ion Ratio Lower Upper

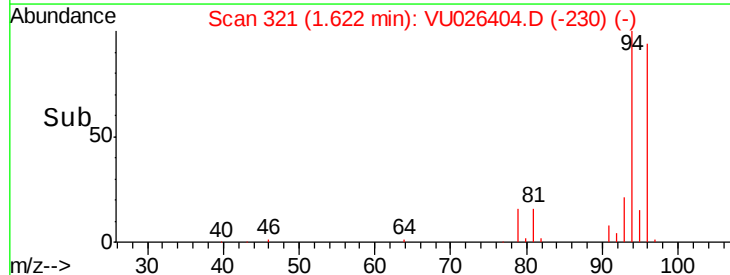
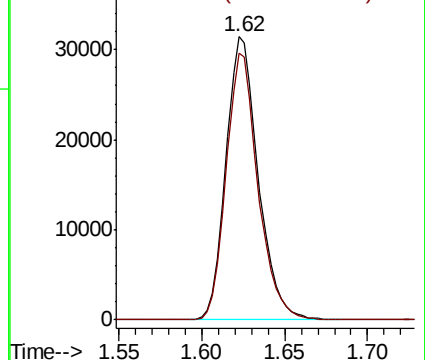
94 100

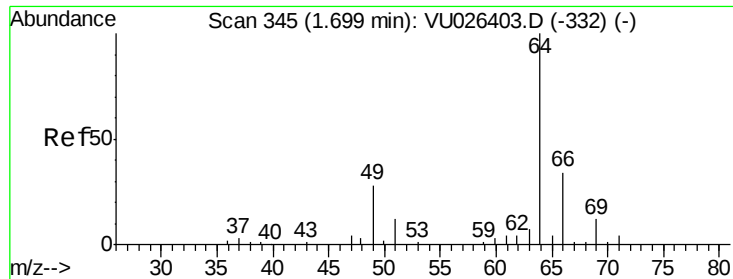
96 94.3 64.3 119.5



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

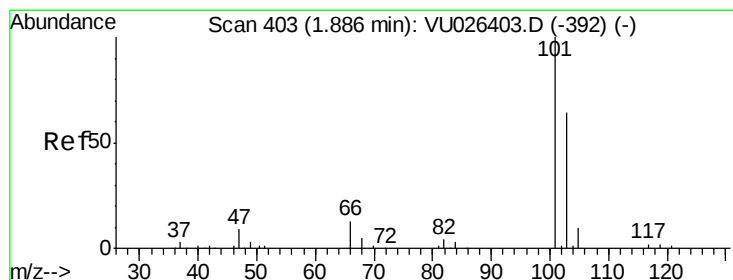
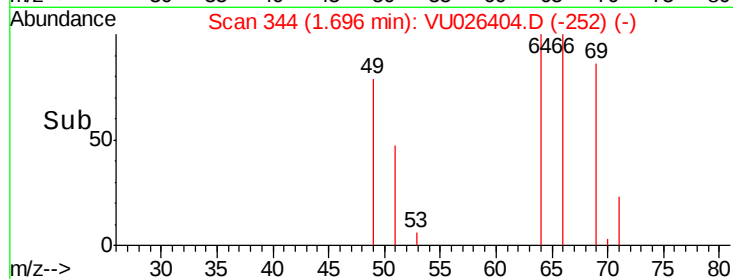
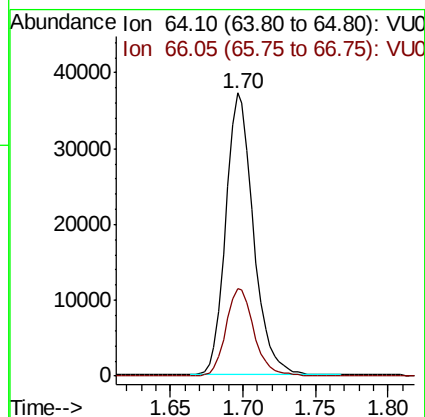
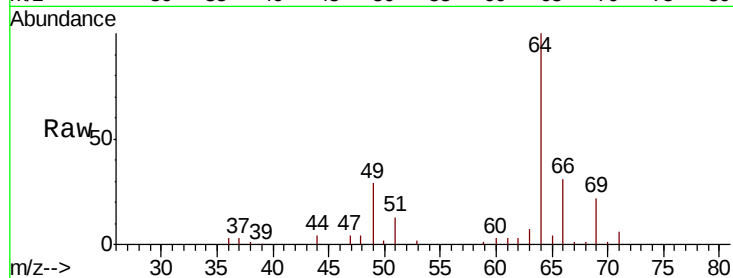




#8
Chloroethane
Concen: 9.611 ug/L
RT: 1.70 min Scan# 344
Delta R.T. -0.00 min
Lab File: VU026404.D
Acq: 28 Aug 2018 17:18

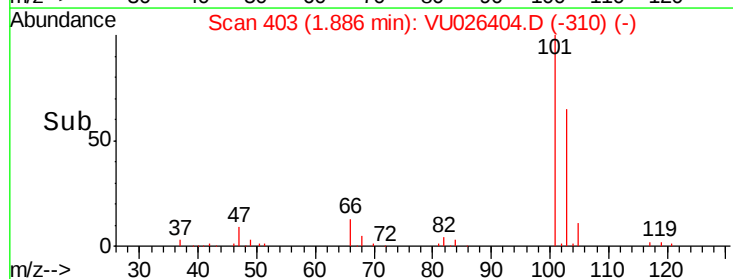
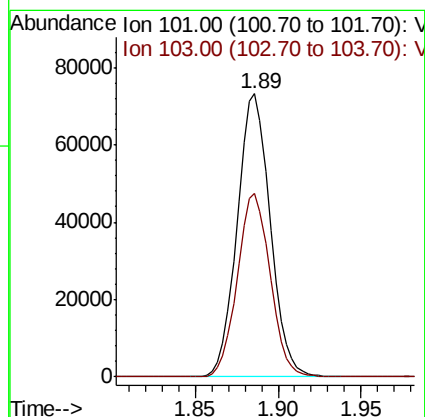
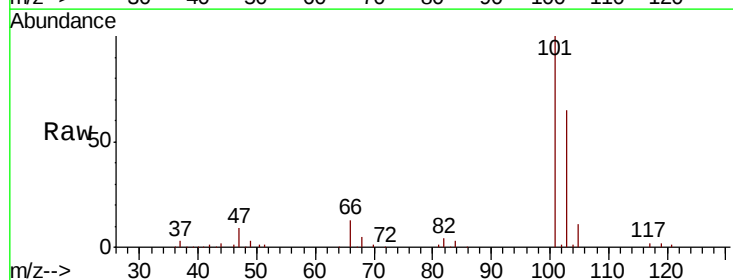
Instrument :
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ClientSampleId :
VSTD01045

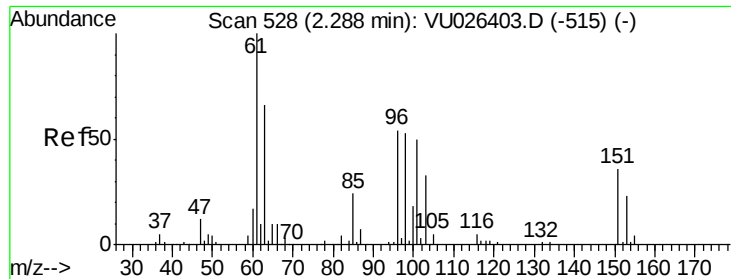
Tgt Ion: 64 Resp: 48928
Ion Ratio Lower Upper
64 100
66 31.0 23.2 43.2



#9
Trichlorofluoromethane
Concen: 9.866 ug/L
RT: 1.89 min Scan# 403
Delta R.T. -0.00 min
Lab File: VU026404.D
Acq: 28 Aug 2018 17:18

Tgt Ion: 101 Resp: 101707
Ion Ratio Lower Upper
101 100
103 64.6 51.3 76.9





#10

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

Concen: 9.801 ug/L

RT: 2.29 min Scan# 528

Delta R.T. -0.00 min

Lab File: VU026404.D

Acq: 28 Aug 2018 17:18

Instrument :

MSVOA_U

ClientSampleId :

VSTD01045

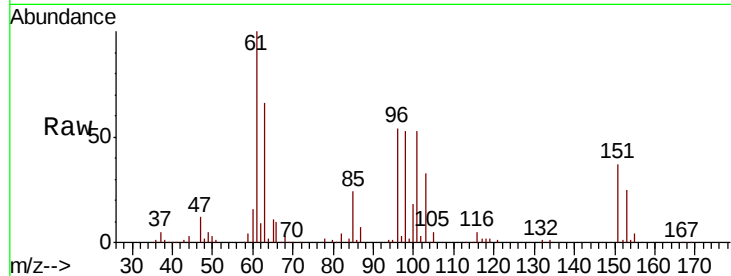
Tgt Ion: 101 Resp: 59269

Ion Ratio Lower Upper

101 100

85 45.1 36.0 54.0

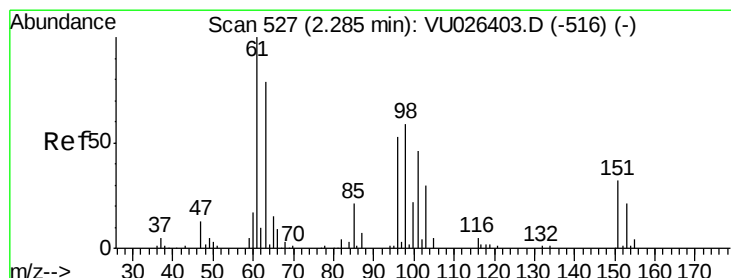
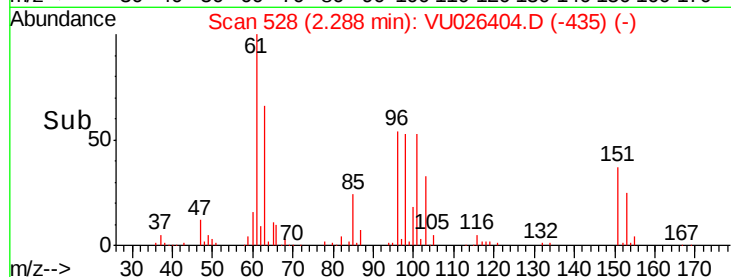
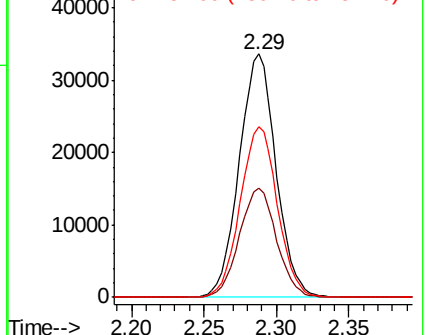
151 71.0 55.5 83.3



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: 9.986 ug/L

RT: 2.28 min Scan# 527

Delta R.T. -0.00 min

Lab File: VU026404.D

Acq: 28 Aug 2018 17:18

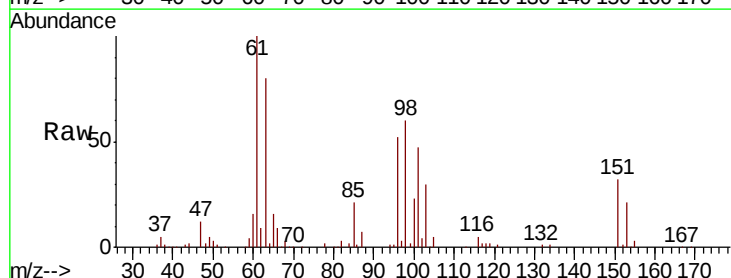
Tgt Ion: 96 Resp: 55361

Ion Ratio Lower Upper

96 100

61 193.5 133.5 247.9

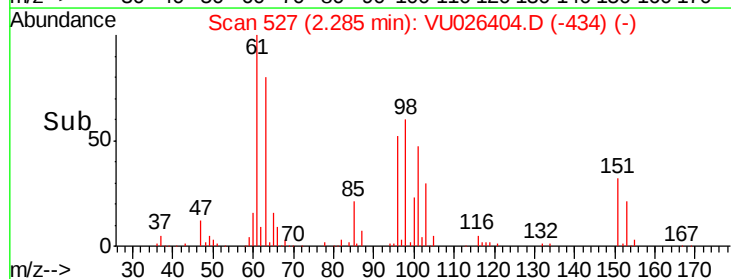
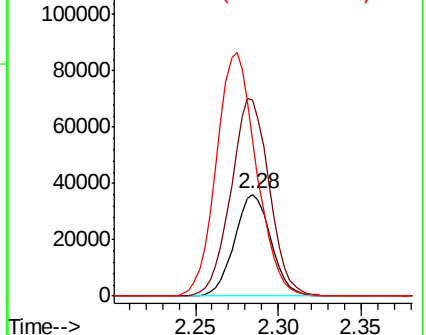
63 154.3 112.3 208.7

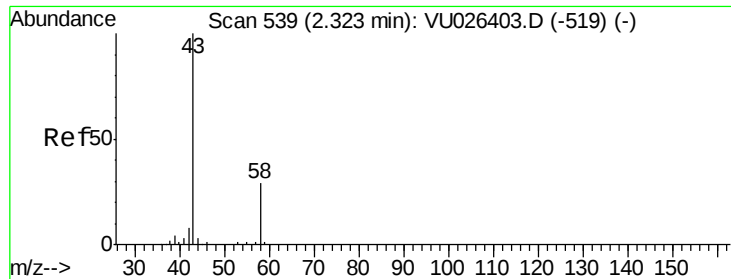


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 90.663 ug/L

RT: 2.32 min Scan# 539

Delta R.T. -0.00 min

Lab File: VU026404.D

Acq: 28 Aug 2018 17:18

Instrument :

MSVOA_U

ClientSampleId :

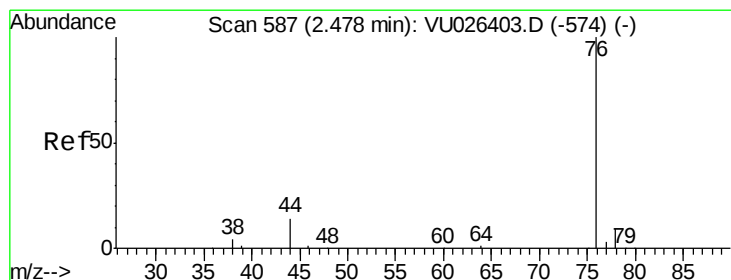
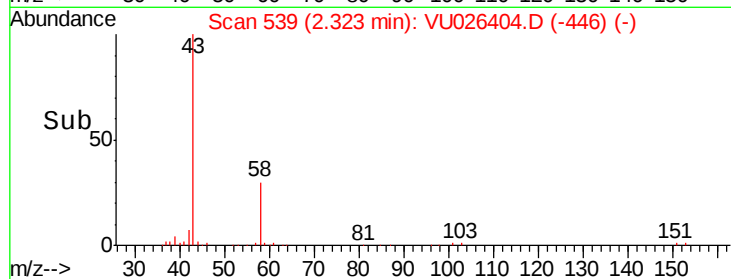
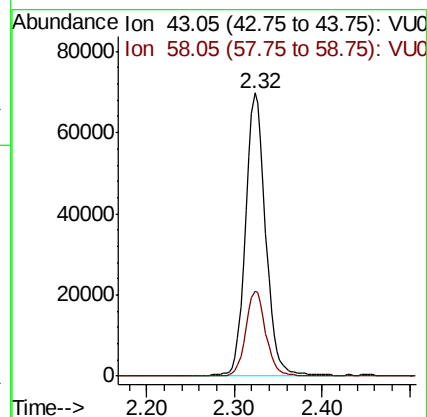
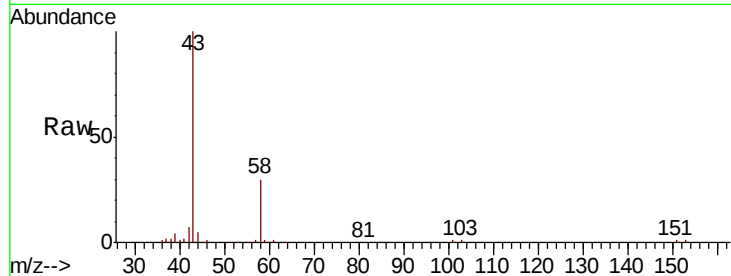
VSTD01045

Tgt Ion: 43 Resp: 111606

Ion Ratio Lower Upper

43 100

58 30.0 0.0 60.6



#14

Carbon disulfide

Concen: 9.698 ug/L

RT: 2.48 min Scan# 587

Delta R.T. -0.00 min

Lab File: VU026404.D

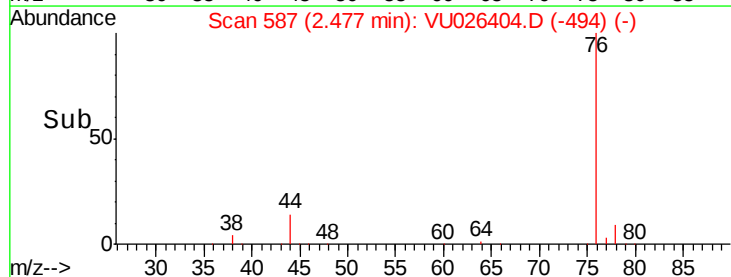
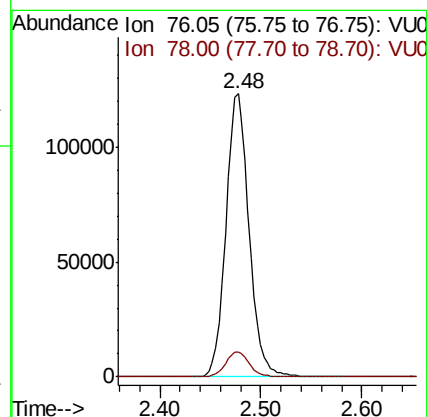
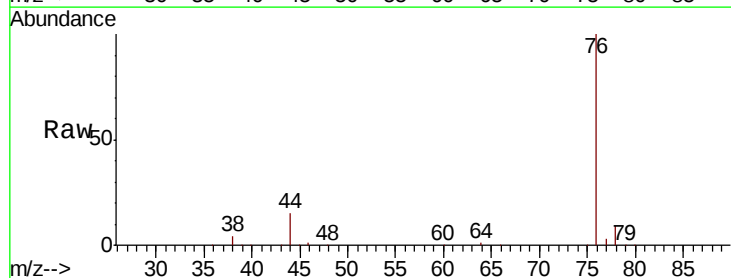
Acq: 28 Aug 2018 17:18

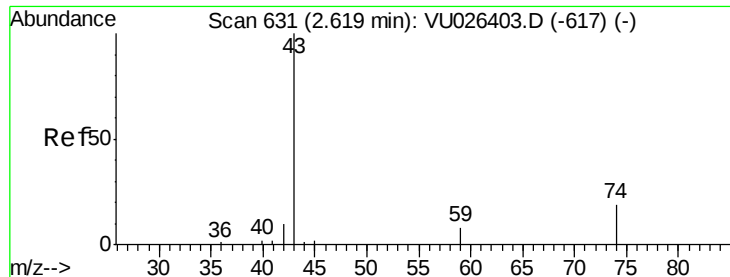
Tgt Ion: 76 Resp: 197427

Ion Ratio Lower Upper

76 100

78 9.0 7.2 10.8





#15

Methyl Acetate

Concen: 8.793 ug/L

RT: 2.62 min Scan# 631

Delta R.T. -0.00 min

Lab File: VU026404.D

Acq: 28 Aug 2018 17:18

Instrument :

MSVOA_U

ClientSampleId :

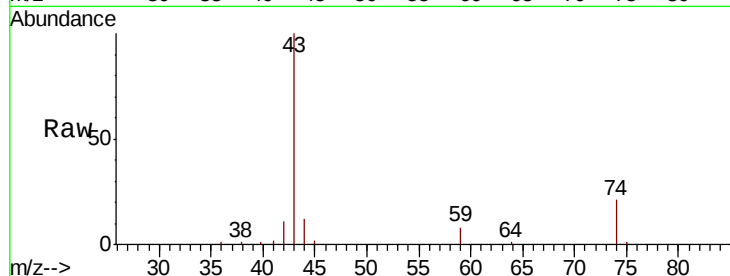
VSTD01045

Tgt Ion: 43 Resp: 30528

Ion Ratio Lower Upper

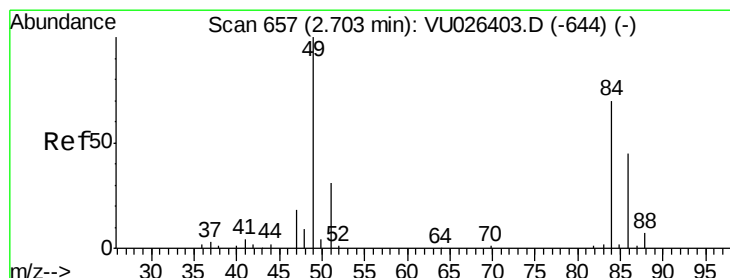
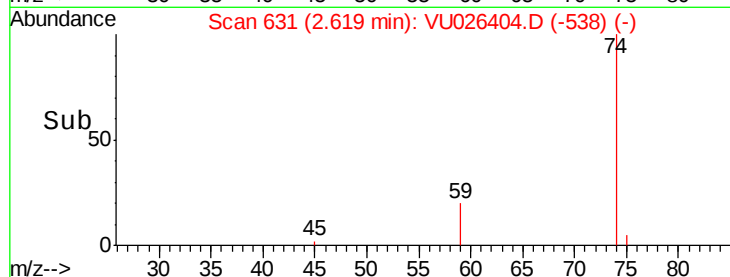
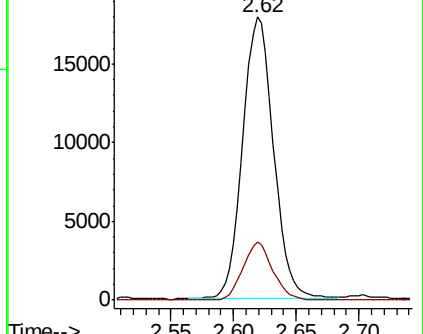
43 100

74 19.6 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: 8.968 ug/L

RT: 2.70 min Scan# 656

Delta R.T. -0.00 min

Lab File: VU026404.D

Acq: 28 Aug 2018 17:18

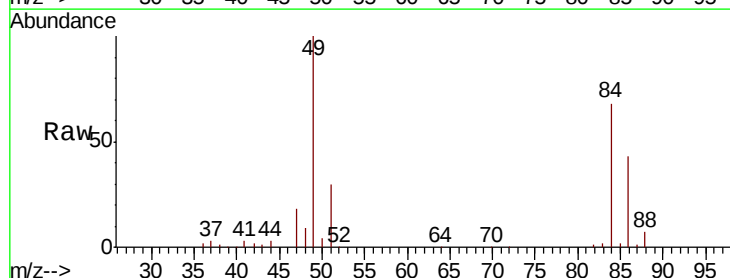
Tgt Ion: 84 Resp: 62130

Ion Ratio Lower Upper

84 100

86 64.0 44.9 83.3

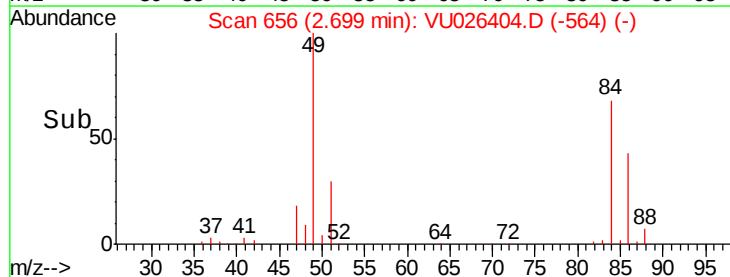
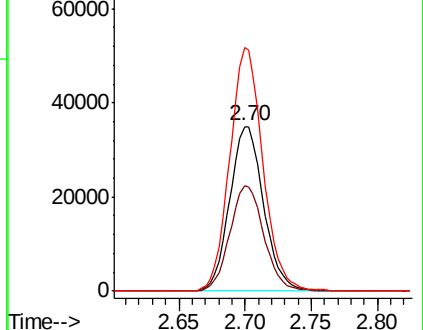
49 148.1 99.7 185.1

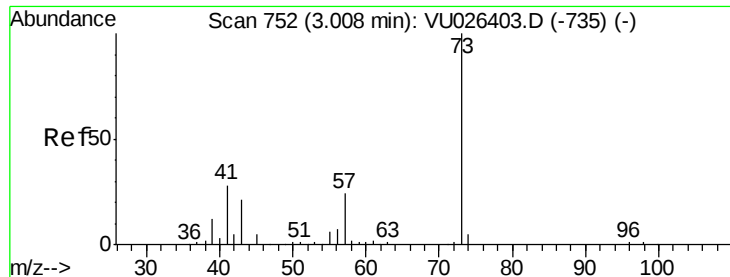


Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0

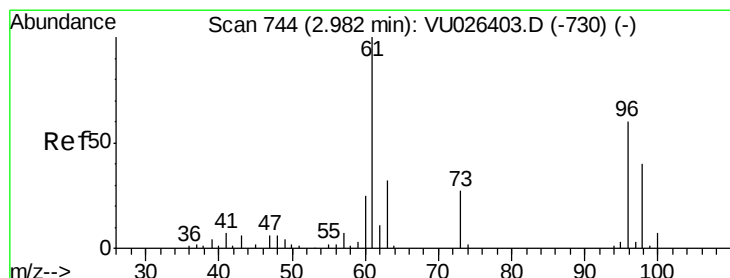
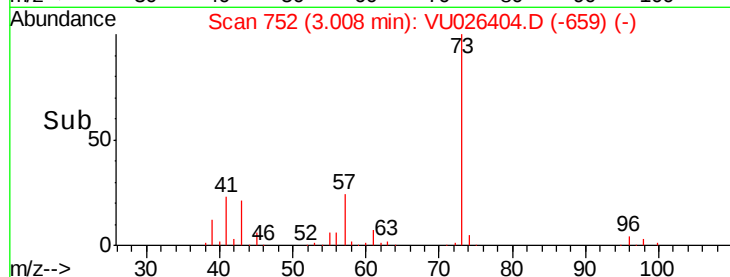
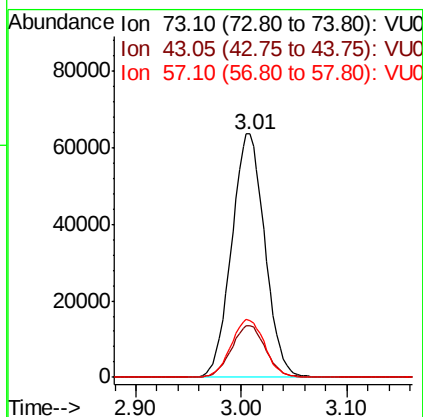
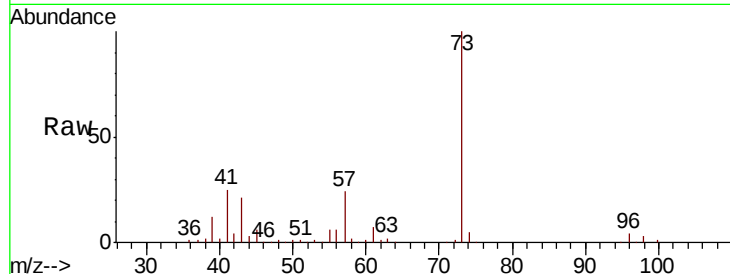




#17
Methyl tert-butyl Ether
Concen: 9.972 ug/L
RT: 3.01 min Scan# 752
Delta R.T. -0.00 min
Lab File: VU026404.D
Acq: 28 Aug 2018 17:18

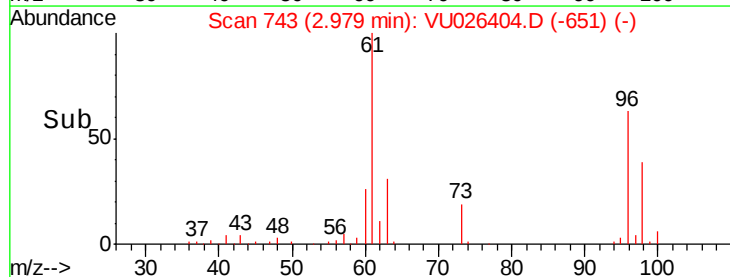
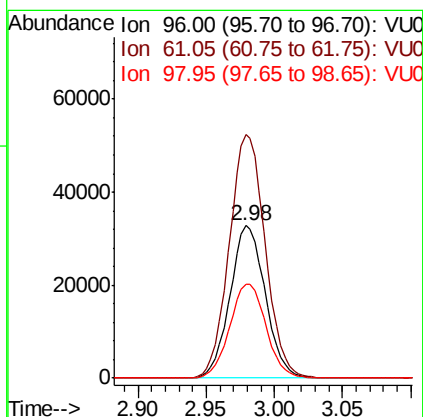
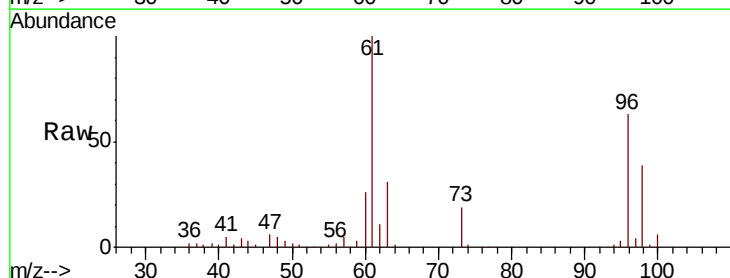
Instrument :
MSVOA_U
ClientSampleId :
VSTD01045

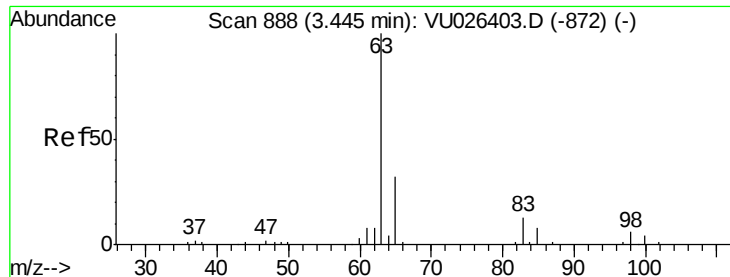
Tgt Ion: 73 Resp: 138736
Ion Ratio Lower Upper
73 100
43 21.4 17.6 26.4
57 24.0 19.0 28.6



#18
trans-1,2-Dichloroethene
Concen: 9.736 ug/L
RT: 2.98 min Scan# 743
Delta R.T. -0.00 min
Lab File: VU026404.D
Acq: 28 Aug 2018 17:18

Tgt Ion: 96 Resp: 58953
Ion Ratio Lower Upper
96 100
61 159.9 116.6 216.6
98 61.6 46.1 85.7





#19

1,1-Dichloroethane

Concen: 9.838 ug/L

RT: 3.45 min Scan# 888

Delta R.T. -0.00 min

Lab File: VU026404.D

Acq: 28 Aug 2018 17:18

Instrument :

MSVOA_U

ClientSampleId :

VSTD01045

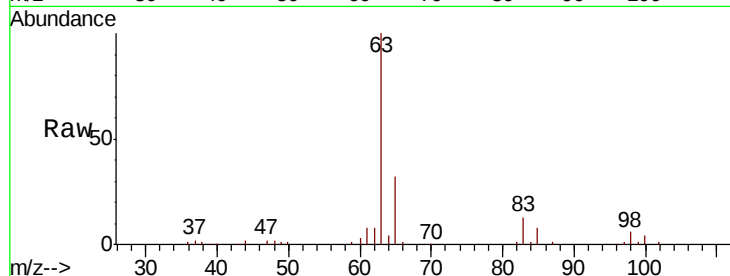
Tgt Ion: 63 Resp: 123574

Ion Ratio Lower Upper

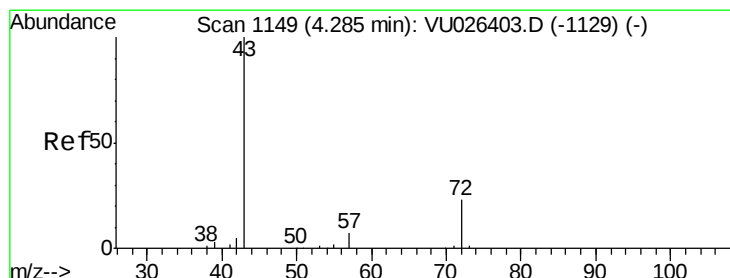
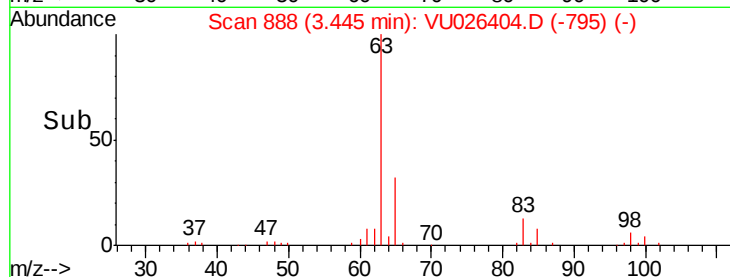
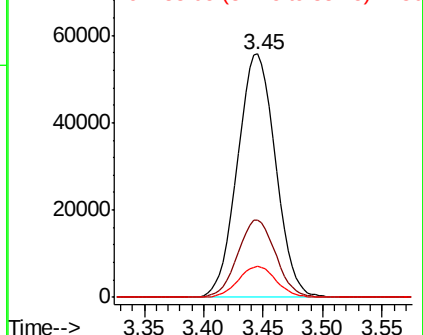
63 100

65 31.9 22.2 41.2

83 12.5 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: 97.921 ug/L

RT: 4.28 min Scan# 1148

Delta R.T. -0.00 min

Lab File: VU026404.D

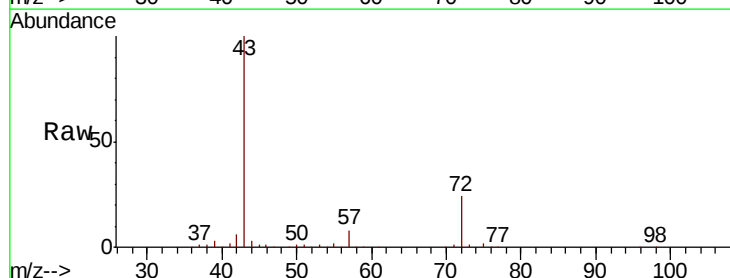
Acq: 28 Aug 2018 17:18

Tgt Ion: 43 Resp: 154657

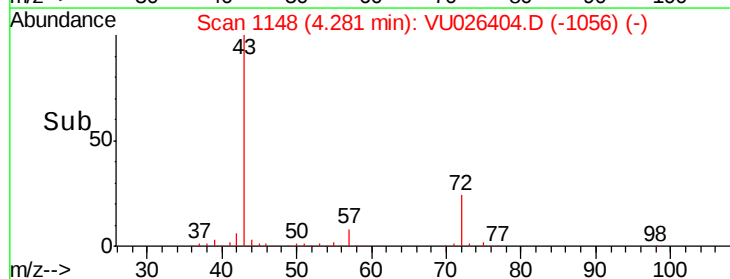
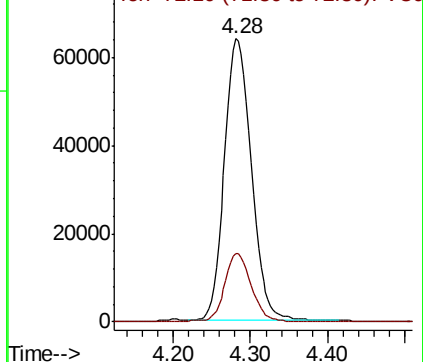
Ion Ratio Lower Upper

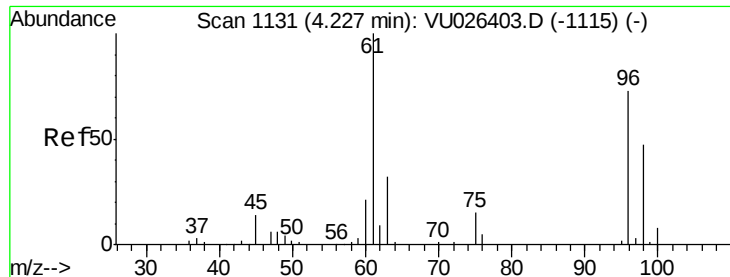
43 100

72 23.9 11.4 34.1



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

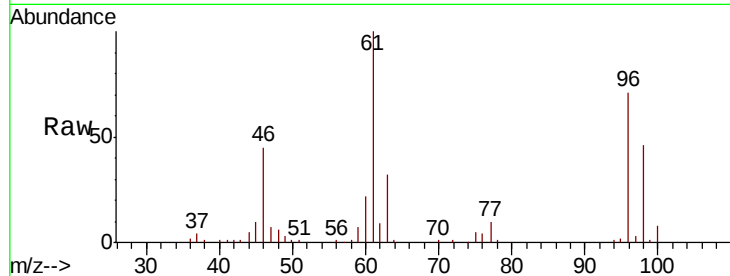




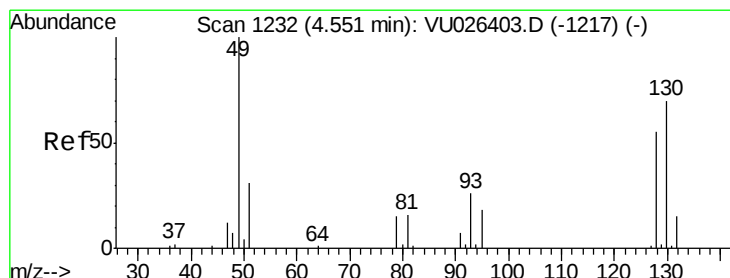
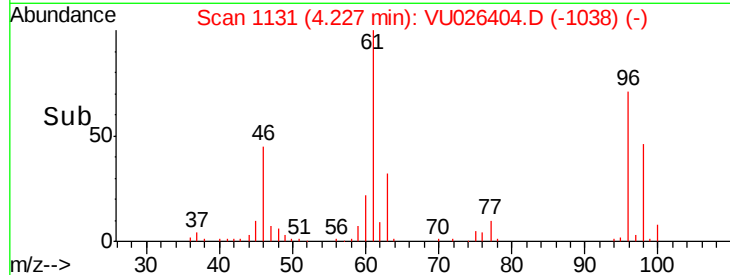
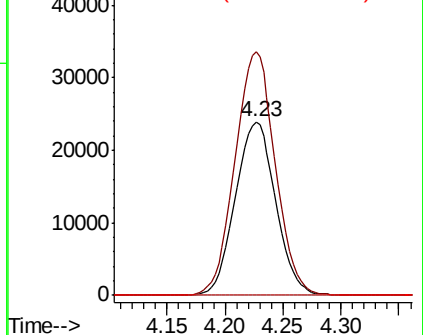
#22
 cis-1,2-Dichloroethene
 Concen: 9.405 ug/L
 RT: 4.23 min Scan# 1131
 Delta R.T. -0.00 min
 Lab File: VU026404.D
 Acq: 28 Aug 2018 17:18

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01045

Tgt Ion: 96 Resp: 57701
 Ion Ratio Lower Upper
 96 100
 61 140.5 95.9 178.1
 68 0.0 0.0 0.0



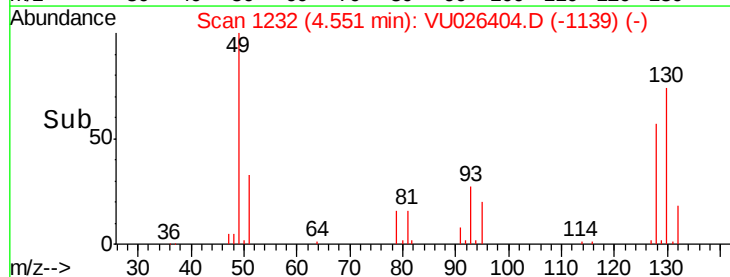
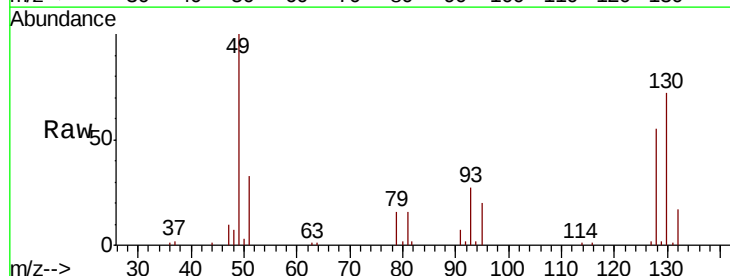
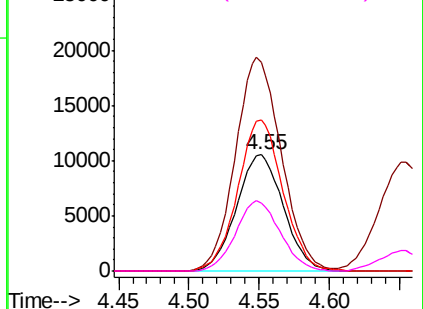
Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0

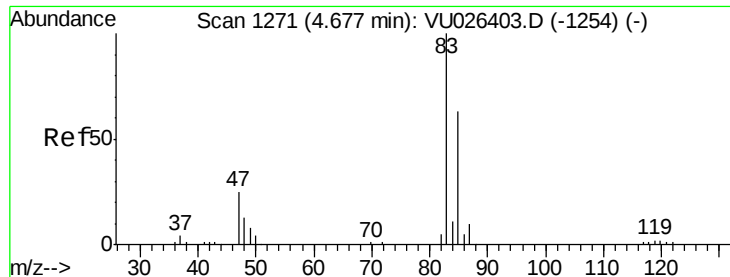


#23
 Bromochloromethane
 Concen: 9.836 ug/L
 RT: 4.55 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VU026404.D
 Acq: 28 Aug 2018 17:18

Tgt Ion: 128 Resp: 24424
 Ion Ratio Lower Upper
 128 100
 49 180.2 126.8 235.4
 130 130.3 88.6 164.6
 51 59.0 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

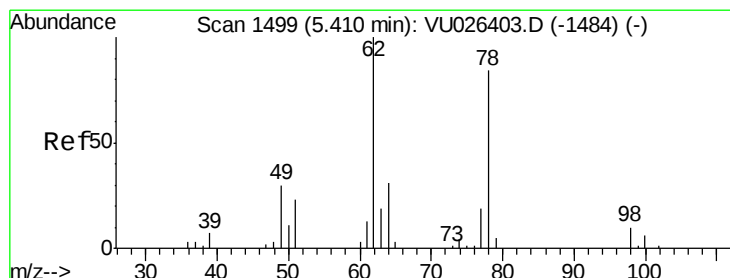
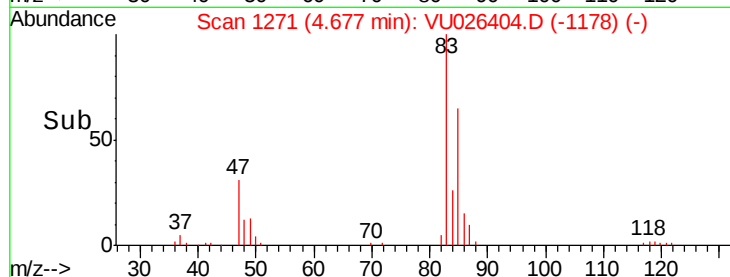
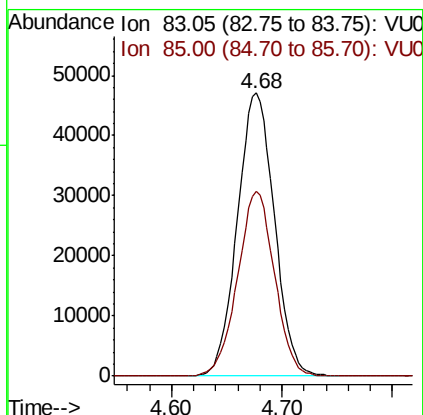
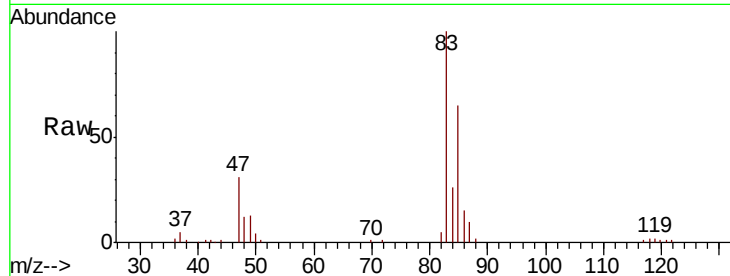




#25
Chloroform
Concen: 9.054 ug/L
RT: 4.68 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VU026404.D
Acq: 28 Aug 2018 17:18

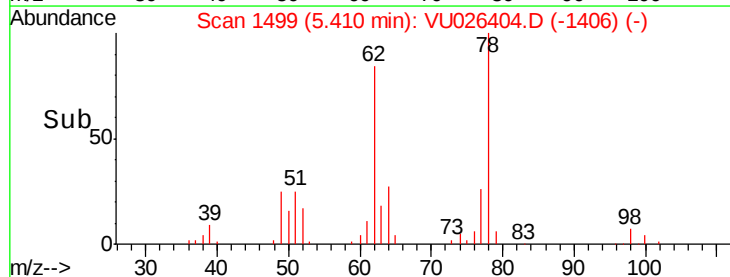
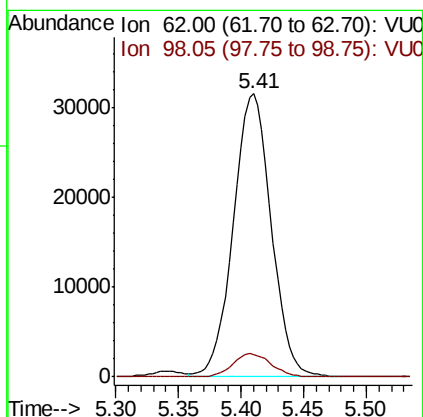
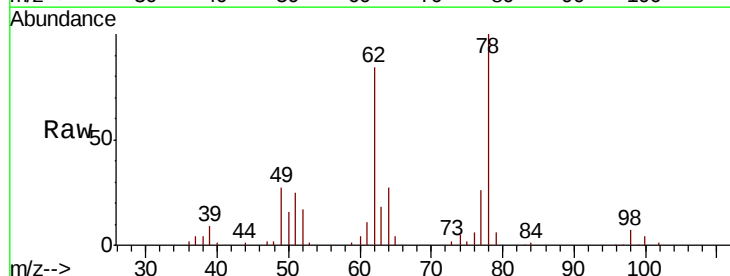
Instrument :
MSVOA_U
ClientSampleId :
VSTD01045

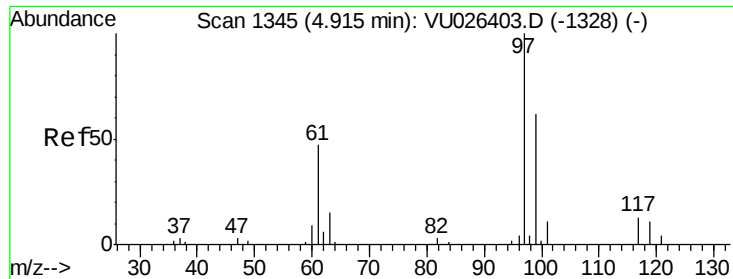
Tgt Ion: 83 Resp: 109374
Ion Ratio Lower Upper
83 100
85 65.3 43.8 81.4



#27
1,2-Dichloroethane
Concen: 9.861 ug/L
RT: 5.41 min Scan# 1499
Delta R.T. -0.00 min
Lab File: VU026404.D
Acq: 28 Aug 2018 17:18

Tgt Ion: 62 Resp: 66326
Ion Ratio Lower Upper
62 100
98 7.9 7.6 11.4

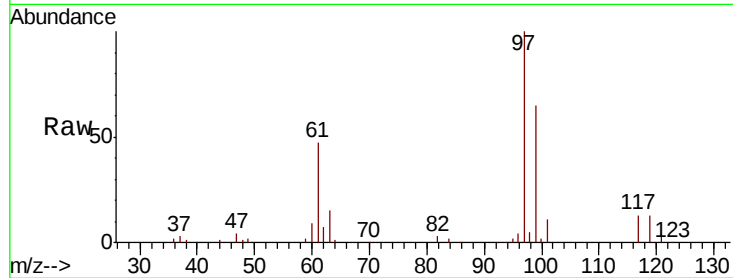




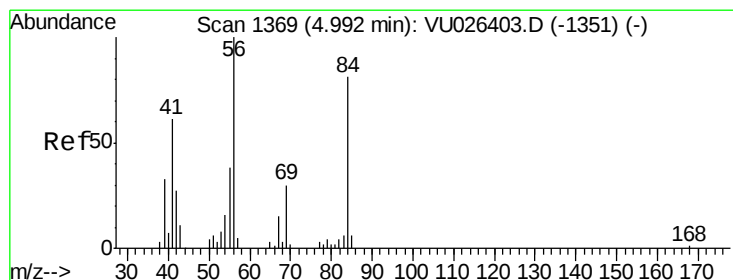
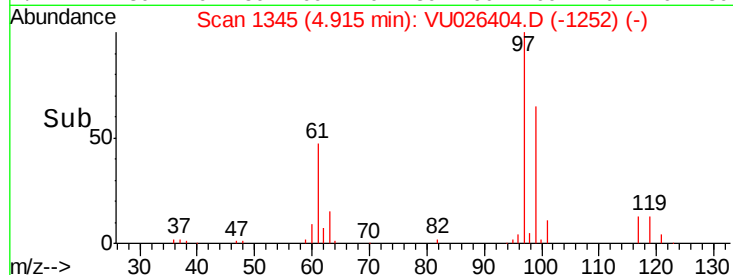
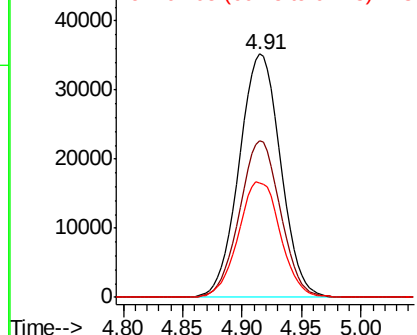
#29
 1,1,1-Trichloroethane
 Concen: 10.035 ug/L
 RT: 4.91 min Scan# 1345
 Delta R.T. -0.00 min
 Lab File: VU026404.D
 Acq: 28 Aug 2018 17:18

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01045

Tgt Ion: 97 Resp: 85073
 Ion Ratio Lower Upper
 97 100
 99 63.4 51.8 77.8
 61 48.1 40.1 60.1

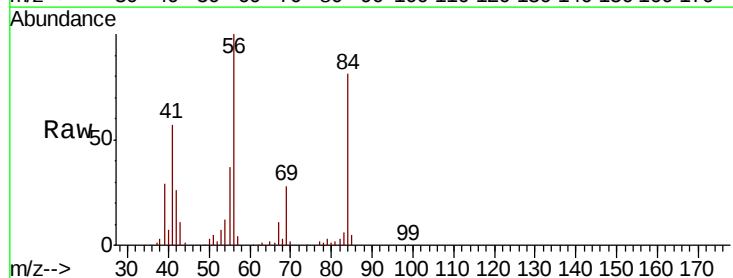


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

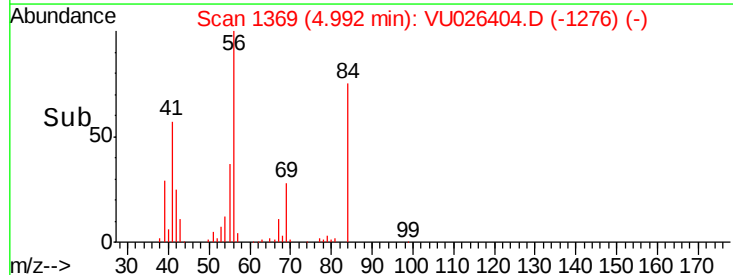
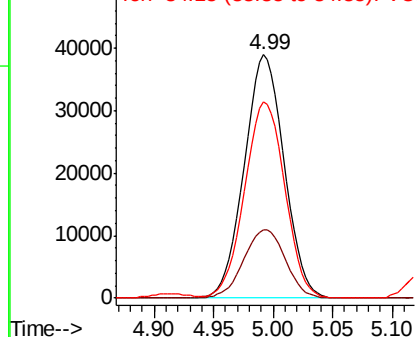


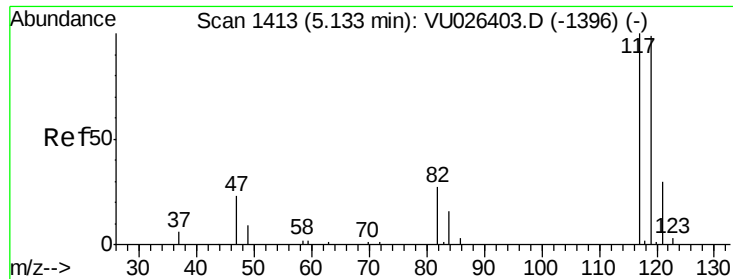
#30
 Cyclohexane
 Concen: 10.449 ug/L
 RT: 4.99 min Scan# 1369
 Delta R.T. -0.00 min
 Lab File: VU026404.D
 Acq: 28 Aug 2018 17:18

Tgt Ion: 56 Resp: 90585
 Ion Ratio Lower Upper
 56 100
 69 29.3 23.1 34.7
 84 81.6 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: 10.115 ug/L

RT: 5.13 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VU026404.D

Acq: 28 Aug 2018 17:18

Instrument :

MSVOA_U

ClientSampleId :

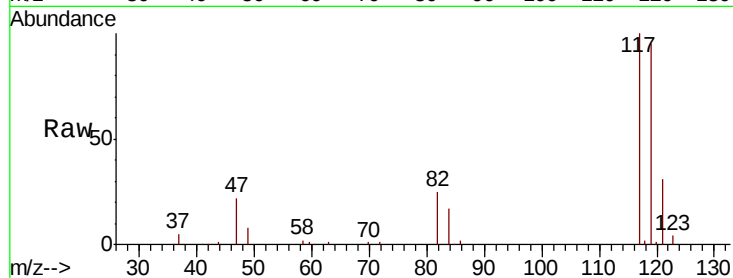
VSTD01045

Tgt Ion:117 Resp: 77334

Ion Ratio Lower Upper

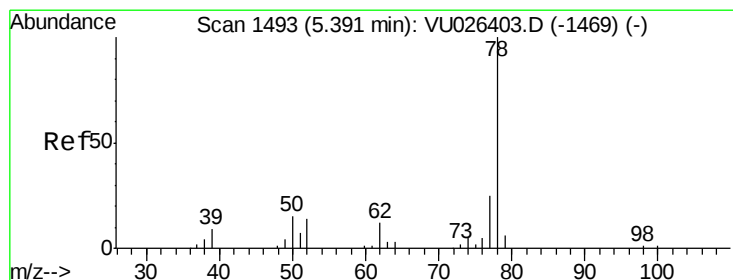
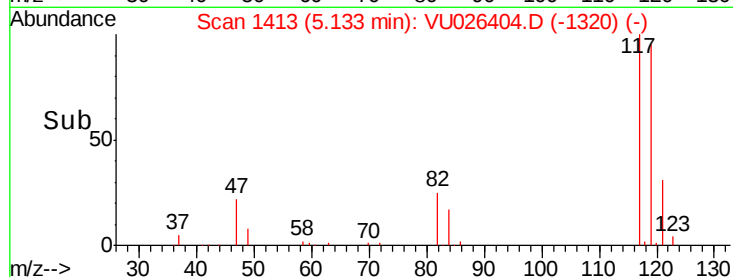
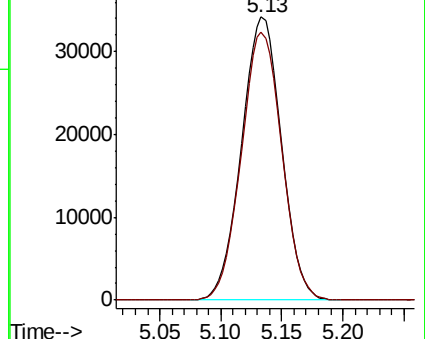
117 100

119 95.8 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: 10.055 ug/L

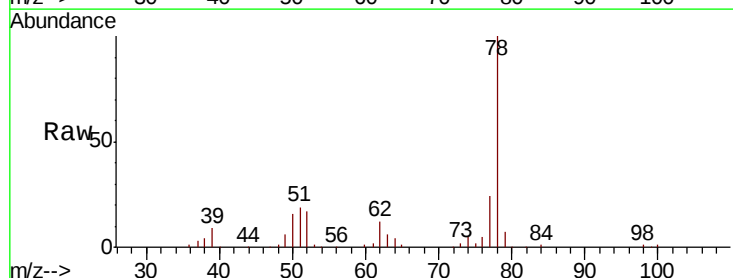
RT: 5.39 min Scan# 1493

Delta R.T. -0.00 min

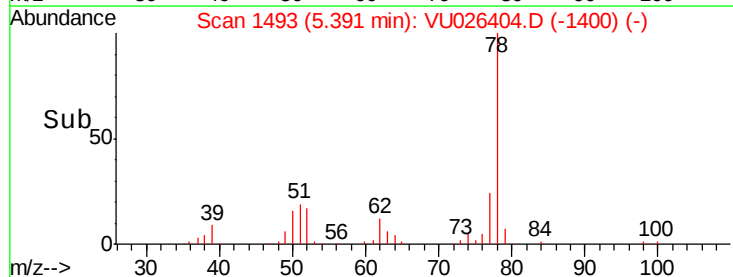
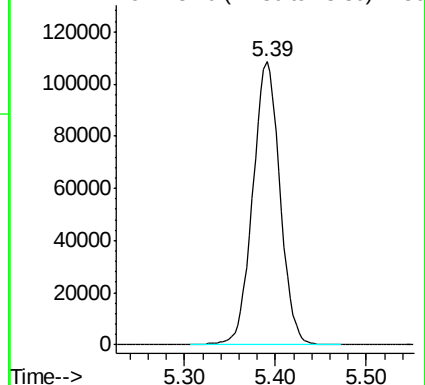
Lab File: VU026404.D

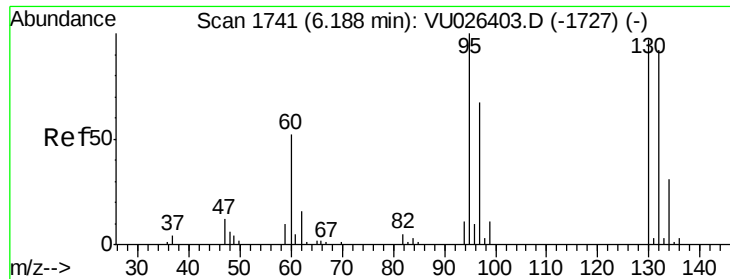
Acq: 28 Aug 2018 17:18

Tgt Ion: 78 Resp: 225241



Abundance Ion 78.10 (77.80 to 78.80): VU0

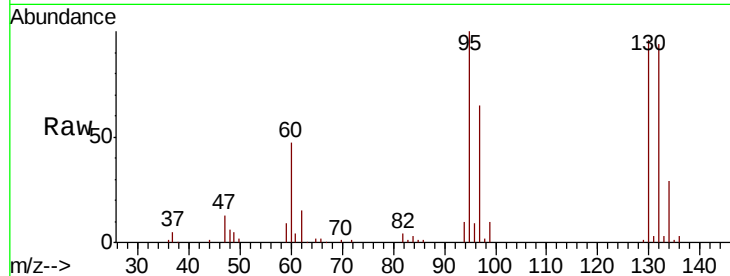




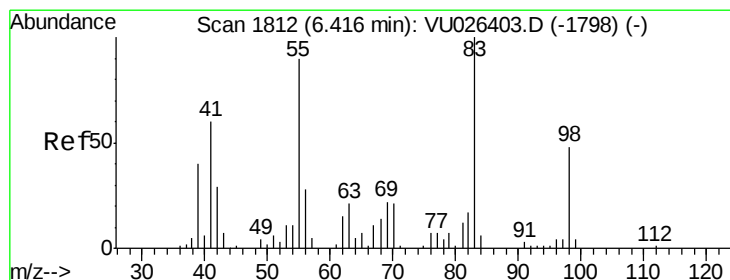
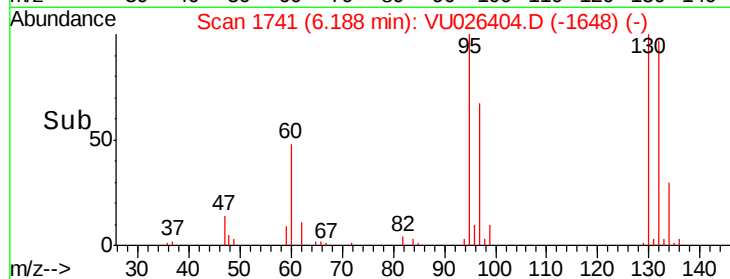
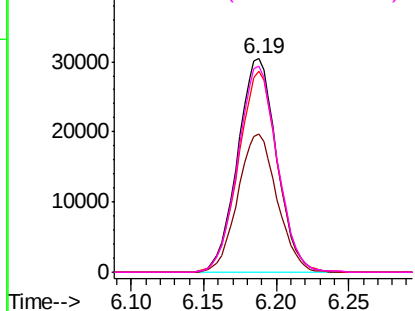
#34
 Trichloroethene
 Concen: 9.436 ug/L
 RT: 6.19 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VU026404.D
 Acq: 28 Aug 2018 17:18

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01045

Tgt Ion: 95 Resp: 57084
 Ion Ratio Lower Upper
 95 100
 97 64.5 46.6 86.6
 132 94.0 64.2 119.2
 130 96.2 68.2 126.6

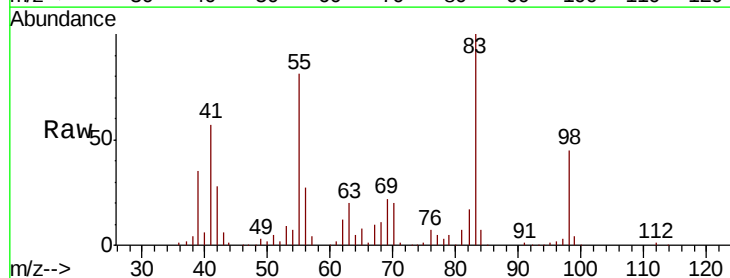


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

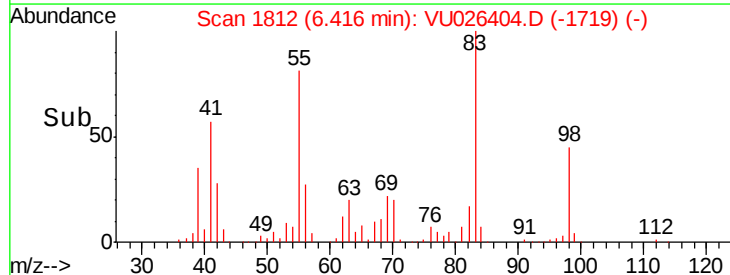
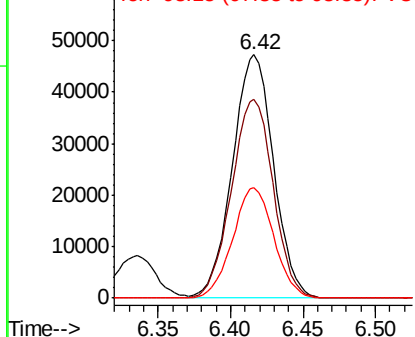


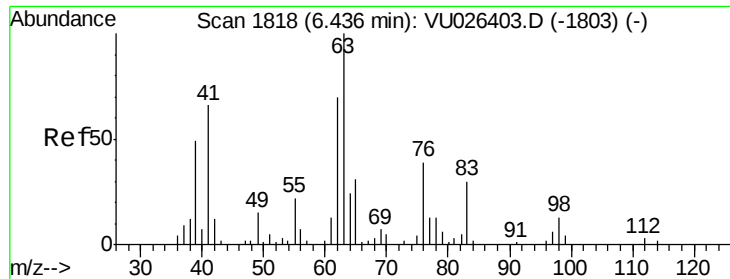
#35
 Methylcyclohexane
 Concen: 10.857 ug/L
 RT: 6.42 min Scan# 1812
 Delta R.T. -0.00 min
 Lab File: VU026404.D
 Acq: 28 Aug 2018 17:18

Tgt Ion: 83 Resp: 93417
 Ion Ratio Lower Upper
 83 100
 55 82.9 68.1 102.1
 98 45.3 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: 10.052 ug/L

RT: 6.44 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VU026404.D

Acq: 28 Aug 2018 17:18

Instrument :

MSVOA_U

ClientSampleId :

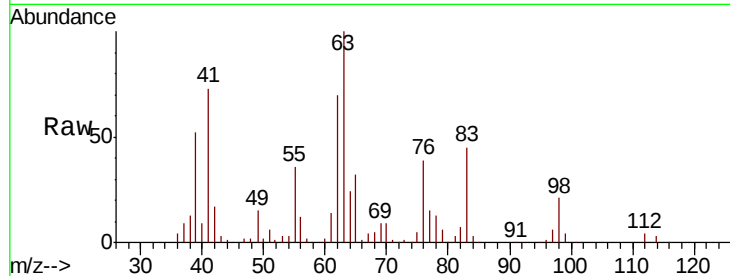
VSTD01045

Tgt Ion: 63 Resp: 62435

Ion Ratio Lower Upper

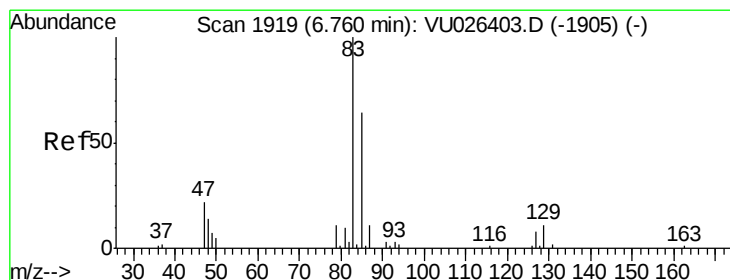
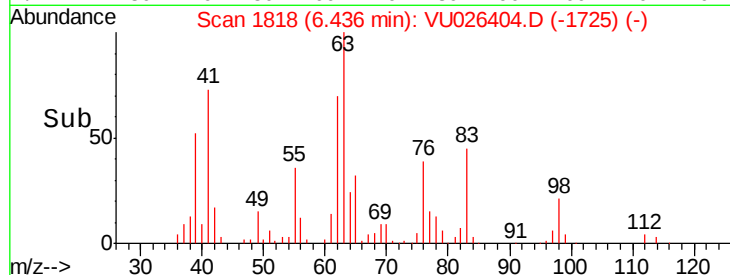
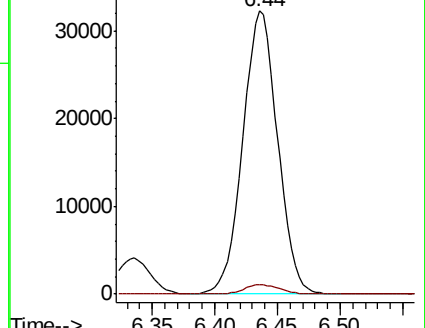
63 100

112 3.3 2.9 4.3



Abundance Ion 63.10 (62.80 to 63.80): VU026404.D (-1725) (-)

Ion 112.10 (111.80 to 112.80): VU026404.D (-1725) (-)



#38

Bromodichloromethane

Concen: 10.003 ug/L

RT: 6.76 min Scan# 1919

Delta R.T. -0.00 min

Lab File: VU026404.D

Acq: 28 Aug 2018 17:18

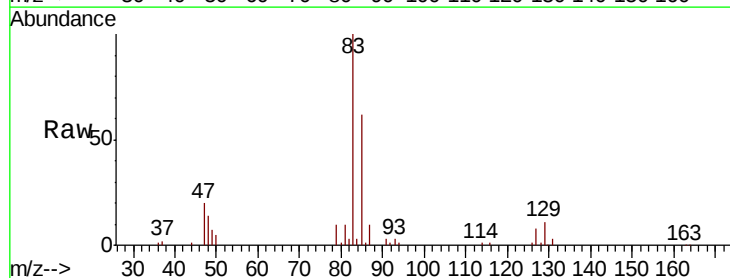
Tgt Ion: 83 Resp: 73039

Ion Ratio Lower Upper

83 100

85 62.0 44.7 83.1

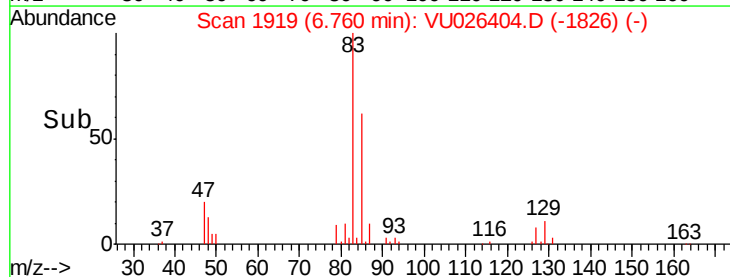
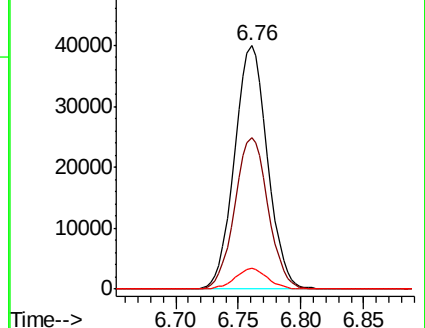
127 8.3 6.6 10.0

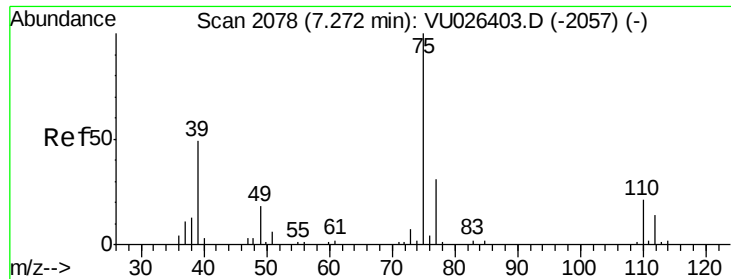


Abundance Ion 82.95 (82.65 to 83.65): VU026404.D (-1826) (-)

Ion 85.00 (84.70 to 85.70): VU026404.D (-1826) (-)

Ion 126.90 (126.60 to 127.60): VU026404.D (-1826) (-)

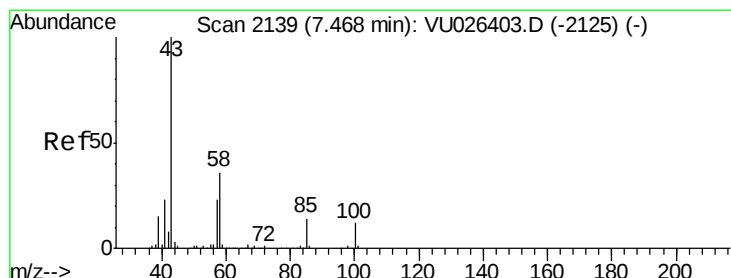
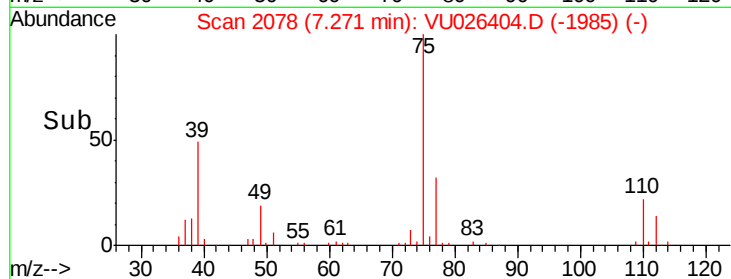
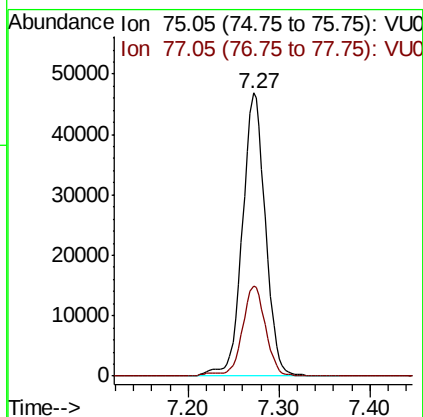
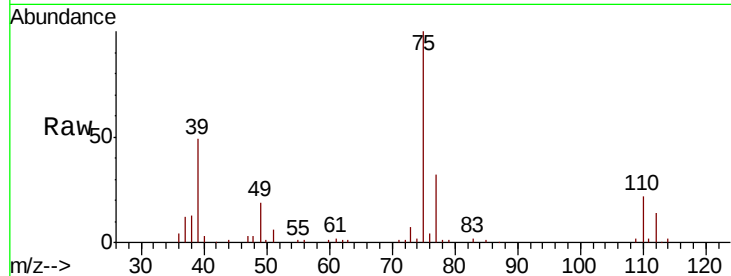




#39
 cis-1,3-Dichloropropene
 Concen: 10.435 ug/L
 RT: 7.27 min Scan# 2078
 Delta R.T. -0.00 min
 Lab File: VU026404.D
 Acq: 28 Aug 2018 17:18

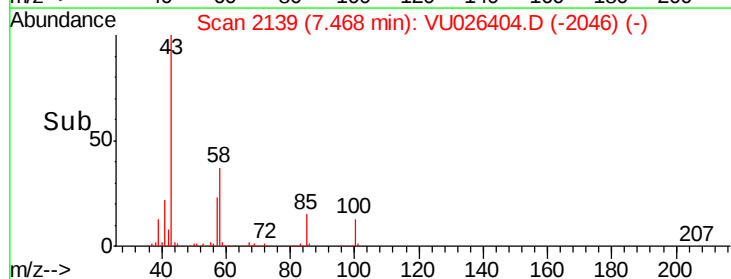
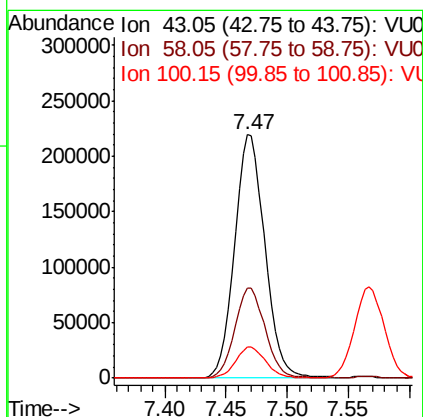
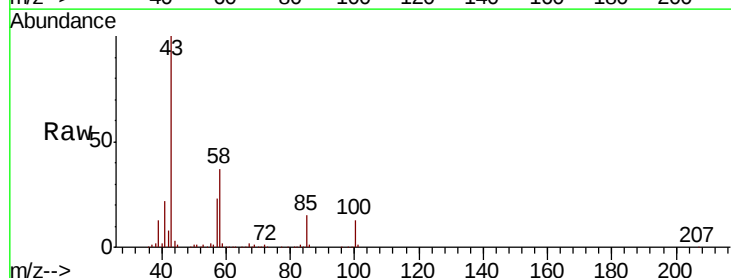
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01045

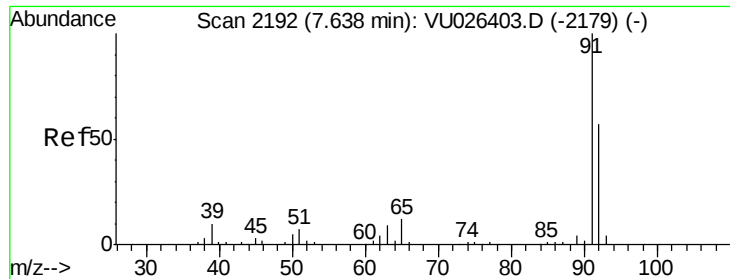
Tgt Ion: 75 Resp: 82316
 Ion Ratio Lower Upper
 75 100
 77 32.0 21.3 39.6



#40
 4-Methyl-2-pentanone
 Concen: 107.933 ug/L
 RT: 7.47 min Scan# 2139
 Delta R.T. -0.00 min
 Lab File: VU026404.D
 Acq: 28 Aug 2018 17:18

Tgt Ion: 43 Resp: 377490
 Ion Ratio Lower Upper
 43 100
 58 37.2 29.3 43.9
 100 12.6 9.8 14.8





#42

Toluene

Concen: 10.647 ug/L

RT: 7.64 min Scan# 2192

Delta R.T. -0.00 min

Lab File: VU026404.D

Acq: 28 Aug 2018 17:18

Instrument :

MSVOA_U

ClientSampleId :

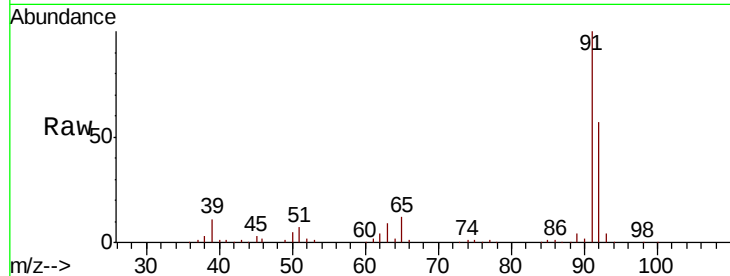
VSTD01045

Tgt Ion: 91 Resp: 243043

Ion Ratio Lower Upper

91 100

92 56.6 39.9 74.1



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0

7.64

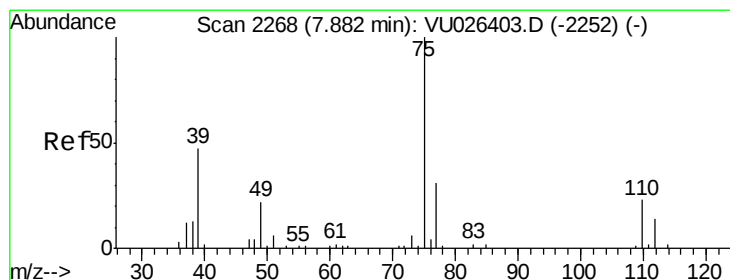
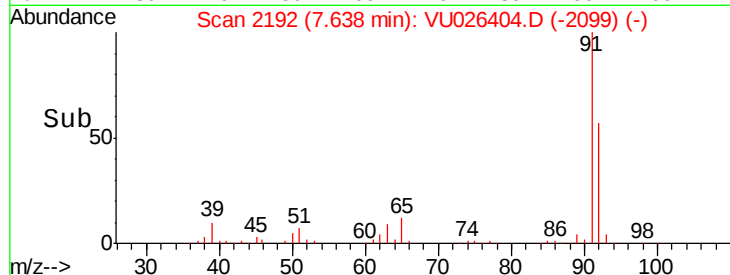
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 10.626 ug/L

RT: 7.88 min Scan# 2268

Delta R.T. -0.00 min

Lab File: VU026404.D

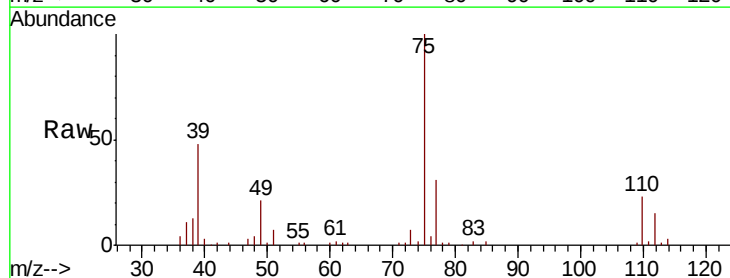
Acq: 28 Aug 2018 17:18

Tgt Ion: 75 Resp: 69062

Ion Ratio Lower Upper

75 100

77 31.3 21.7 40.3



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

7.88

50000

40000

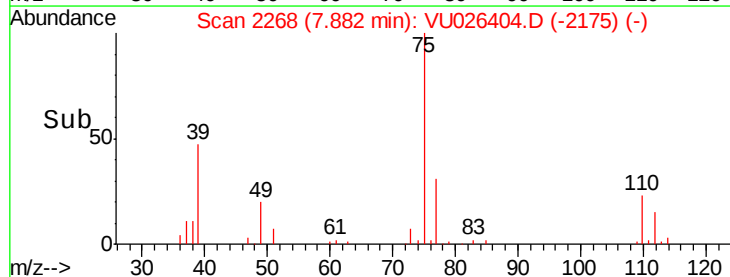
30000

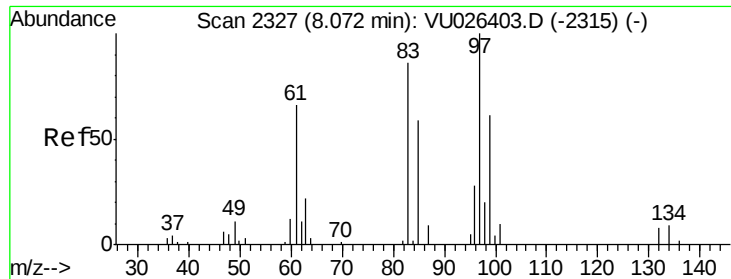
20000

10000

0

Time-->

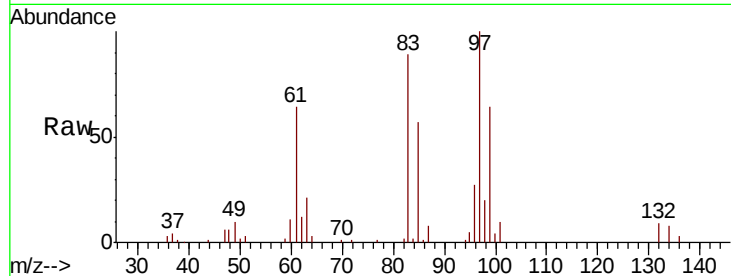




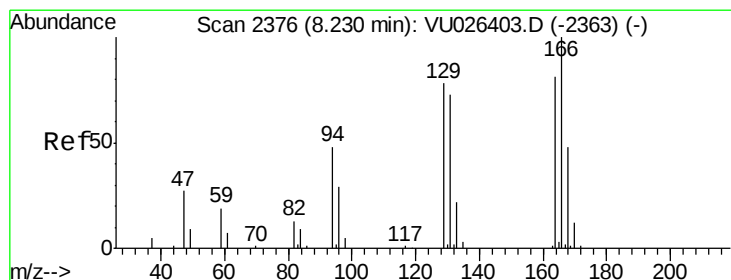
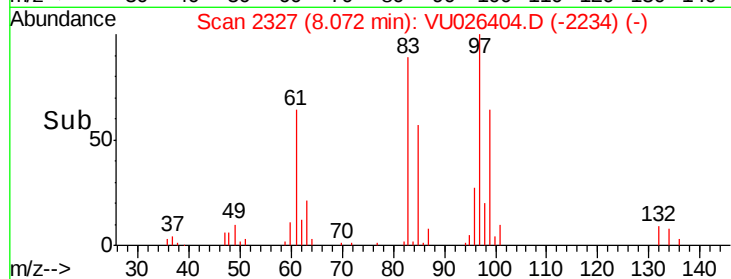
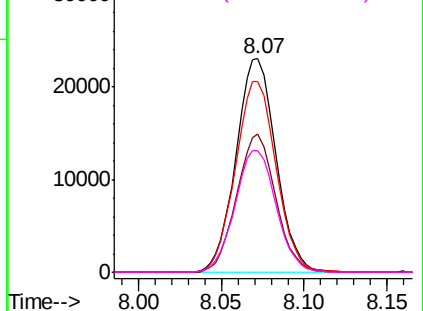
#45
 1,1,2-Trichloroethane
 Concen: 9.930 ug/L
 RT: 8.07 min Scan# 2327
 Delta R.T. -0.00 min
 Lab File: VU026404.D
 Acq: 28 Aug 2018 17:18

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01045

Tgt Ion:	97	Resp:	38693
Ion	Ratio	Lower	Upper
97	100		
99	64.5	42.4	78.8
83	89.4	60.5	112.5
85	57.0	40.9	76.0

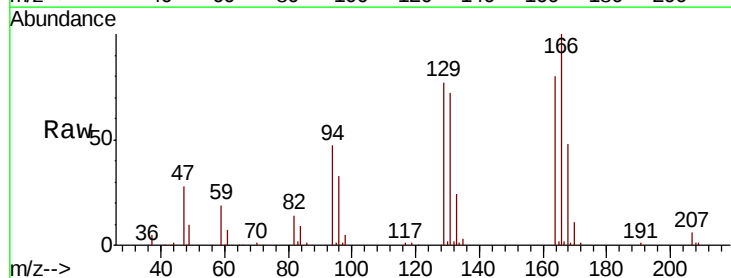


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

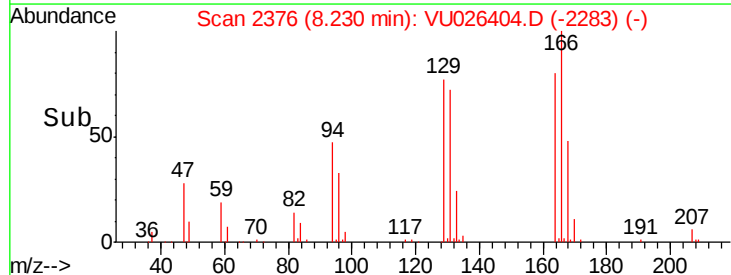
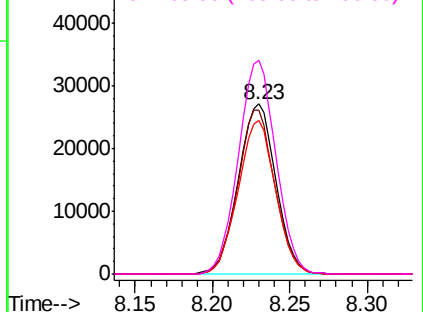


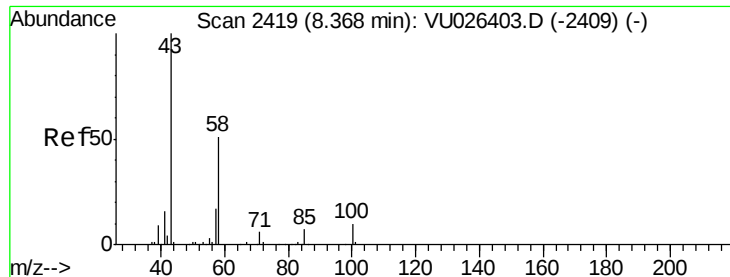
#47
 Tetrachloroethene
 Concen: 10.042 ug/L
 RT: 8.23 min Scan# 2376
 Delta R.T. -0.00 min
 Lab File: VU026404.D
 Acq: 28 Aug 2018 17:18

Tgt Ion:	164	Resp:	45695
Ion	Ratio	Lower	Upper
164	100		
129	96.3	67.8	126.0
131	90.2	63.1	117.3
166	125.8	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

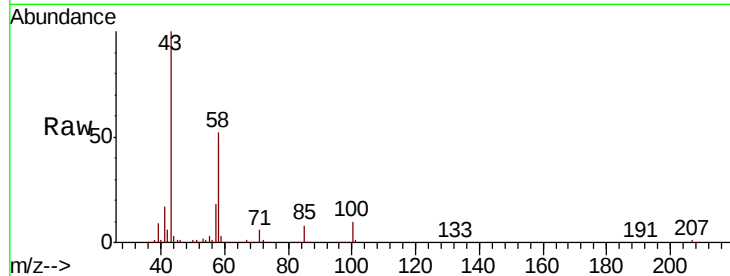




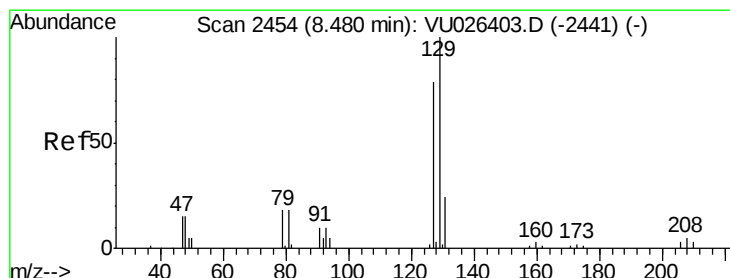
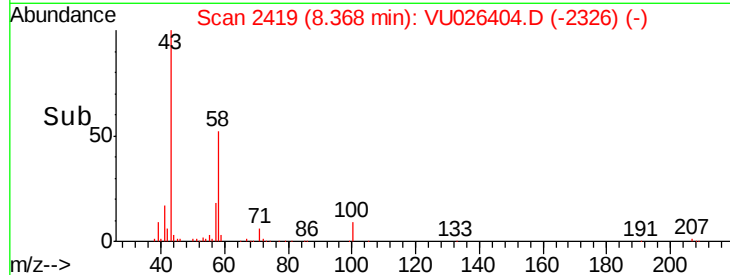
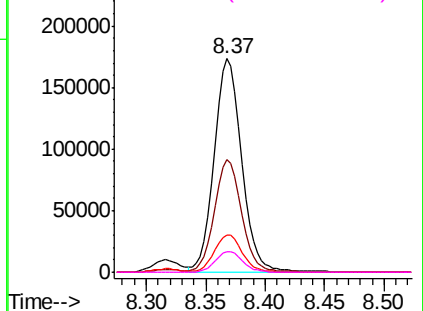
#48
2-Hexanone
Concen: 106.921 ug/L
RT: 8.37 min Scan# 2419
Delta R.T. -0.00 min
Lab File: VU026404.D
Acq: 28 Aug 2018 17:18

Instrument :
MSVOA_U
ClientSampleId :
VSTD01045

Tgt Ion:	43	Resp:	276937
Ion	Ratio	Lower	Upper
43	100		
58	52.2	40.5	60.7
57	17.7	14.0	21.0
100	9.8	7.6	11.4

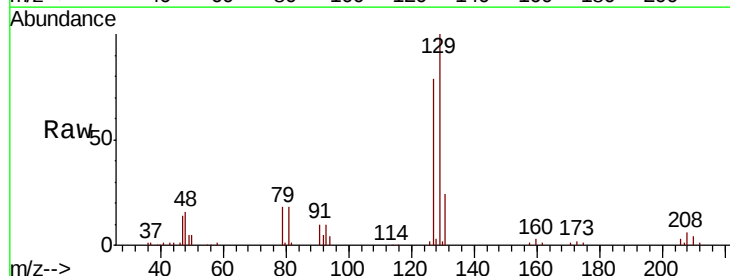


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

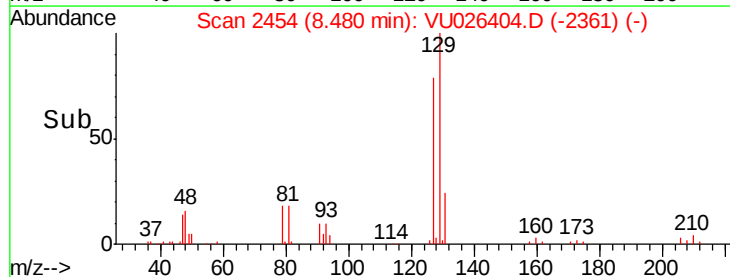
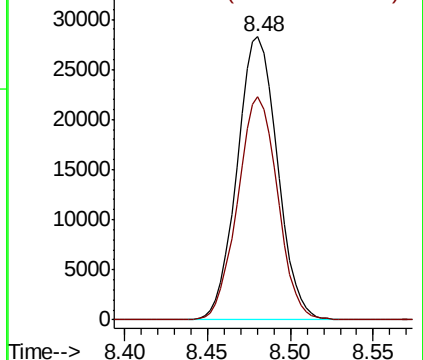


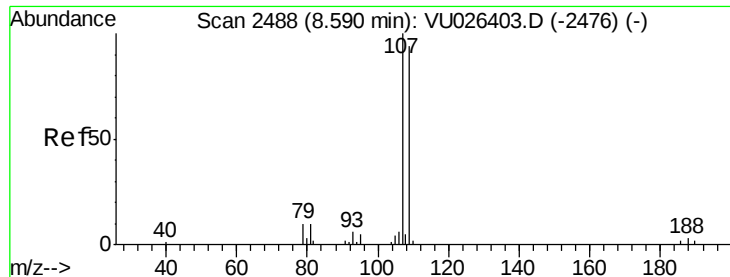
#49
Dibromochloromethane
Concen: 10.063 ug/L
RT: 8.48 min Scan# 2454
Delta R.T. -0.00 min
Lab File: VU026404.D
Acq: 28 Aug 2018 17:18

Tgt Ion:	129	Resp:	47814
Ion	Ratio	Lower	Upper
129	100		
127	78.7	55.6	103.2



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

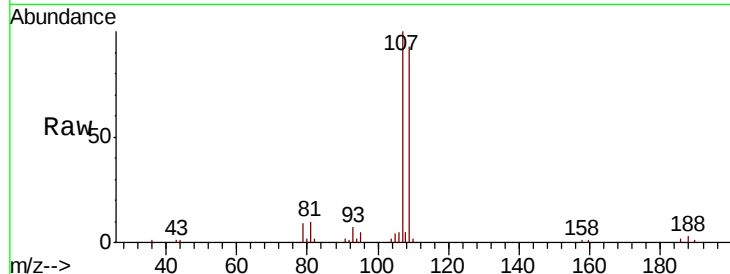




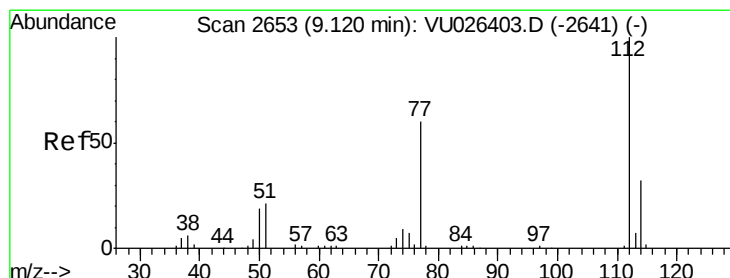
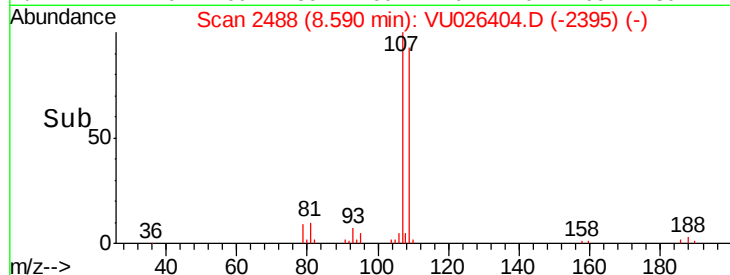
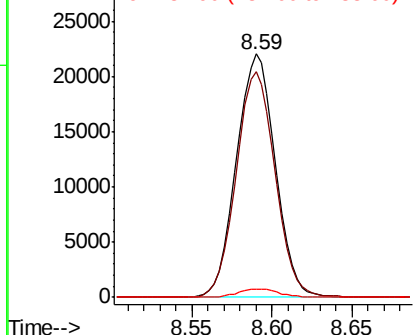
#50
 1,2-Dibromoethane
 Concen: 9.894 ug/L
 RT: 8.59 min Scan# 2488
 Delta R.T. -0.00 min
 Lab File: VU026404.D
 Acq: 28 Aug 2018 17:18

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01045

Tgt Ion:107 Resp: 36455
 Ion Ratio Lower Upper
 107 100
 109 92.6 65.7 121.9
 188 3.3 2.7 4.1

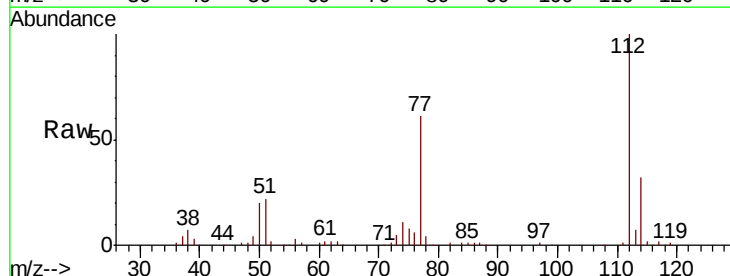


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

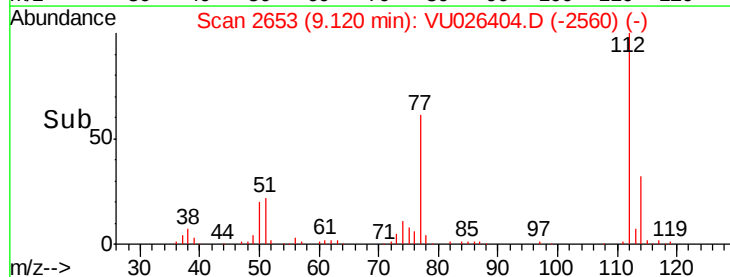
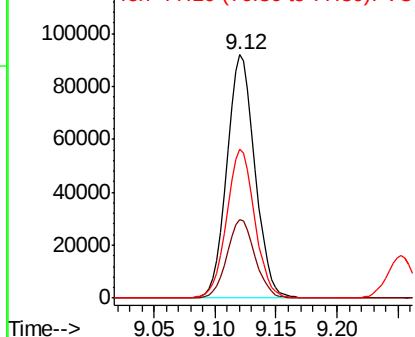


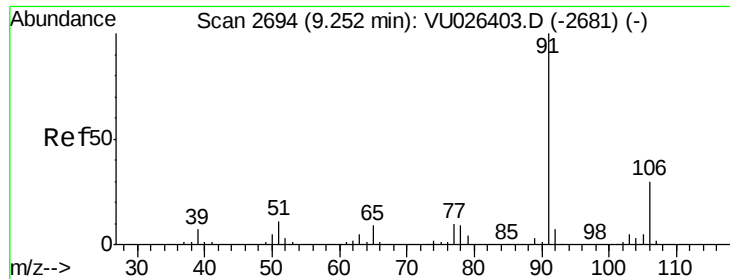
#51
 Chlorobenzene
 Concen: 10.012 ug/L
 RT: 9.12 min Scan# 2653
 Delta R.T. -0.00 min
 Lab File: VU026404.D
 Acq: 28 Aug 2018 17:18

Tgt Ion:112 Resp: 148256
 Ion Ratio Lower Upper
 112 100
 114 32.3 22.3 41.3
 77 61.1 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: 10.837 ug/L

RT: 9.25 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VU026404.D

Acq: 28 Aug 2018 17:18

Instrument :

MSVOA_U

ClientSampleId :

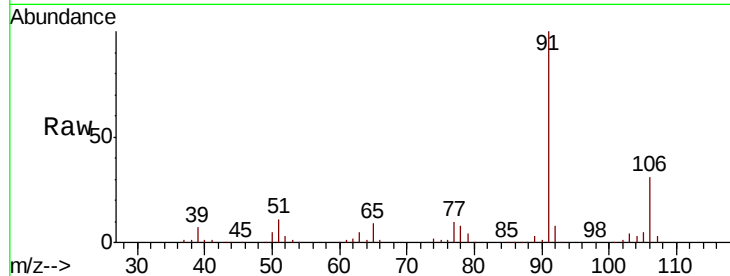
VSTD01045

Tgt Ion: 91 Resp: 262163

Ion Ratio Lower Upper

91 100

106 30.8 21.2 39.4



Abundance Ion 91.15 (90.85 to 91.85): VU026404.D (-2601) (-)

Ion 106.15 (105.85 to 106.85): VU026404.D (-2601) (-)

9.25

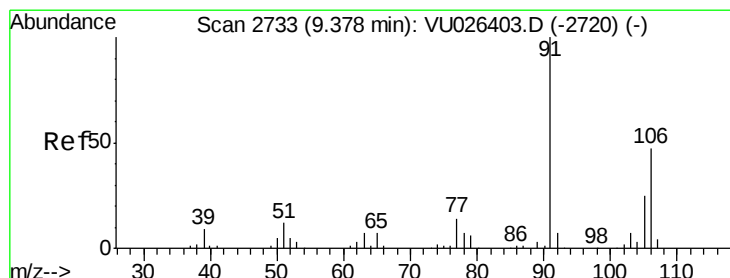
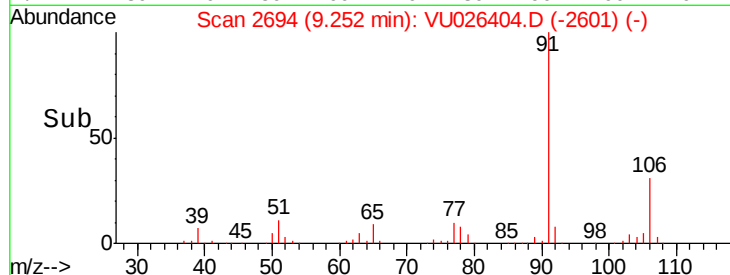
150000

100000

50000

0

Time--> 9.15 9.20 9.25 9.30 9.35



#53

m,p-xylene

Concen: 11.107 ug/L

RT: 9.38 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VU026404.D

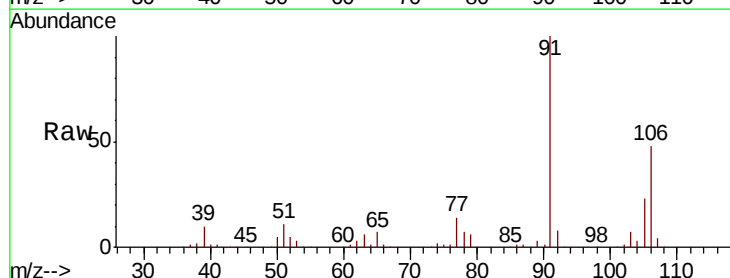
Acq: 28 Aug 2018 17:18

Tgt Ion: 106 Resp: 98828

Ion Ratio Lower Upper

106 100

91 208.1 148.4 275.6



Abundance Ion 106.15 (105.85 to 106.85): VU026404.D (-2640) (-)

Ion 91.15 (90.85 to 91.85): VU026404.D (-2640) (-)

9.38

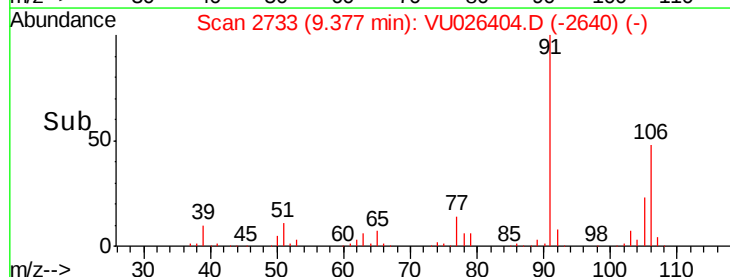
150000

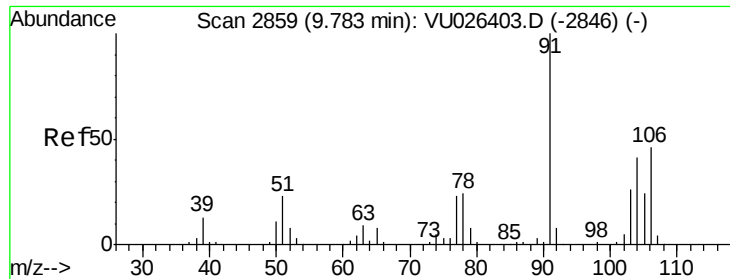
100000

50000

0

Time--> 9.30 9.35 9.40 9.45





#54

o-xylene

Concen: 11.169 ug/L

RT: 9.78 min Scan# 2859

Delta R.T. -0.00 min

Lab File: VU026404.D

Acq: 28 Aug 2018 17:18

Instrument :

MSVOA_U

ClientSampleId :

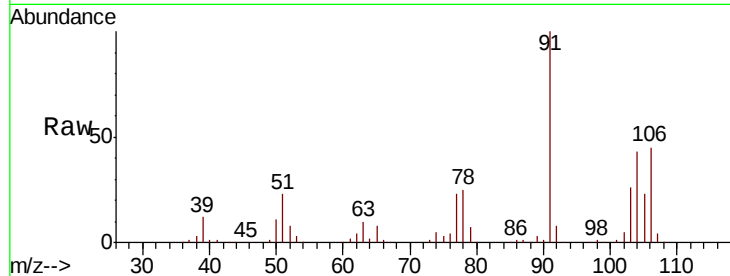
VSTD01045

Tgt Ion:106 Resp: 94019

Ion Ratio Lower Upper

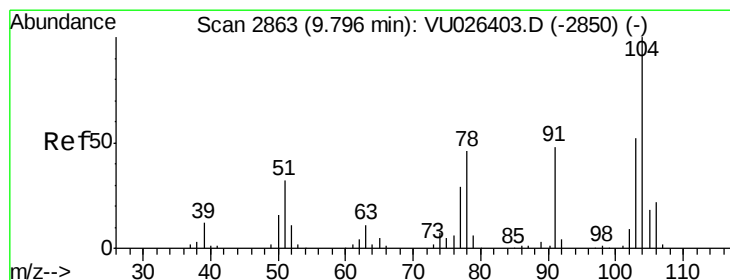
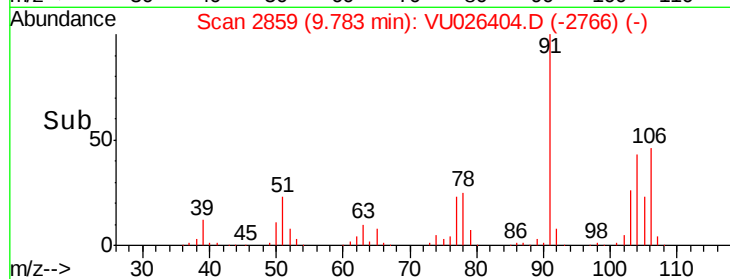
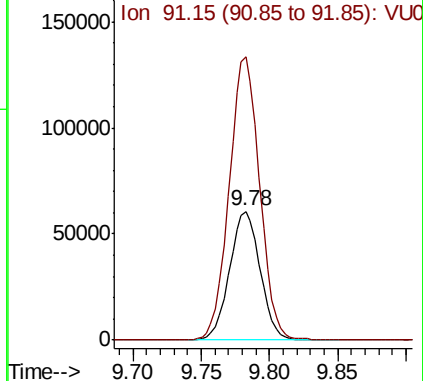
106 100

91 219.9 152.9 283.9



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#55

Styrene

Concen: 11.401 ug/L

RT: 9.80 min Scan# 2863

Delta R.T. -0.00 min

Lab File: VU026404.D

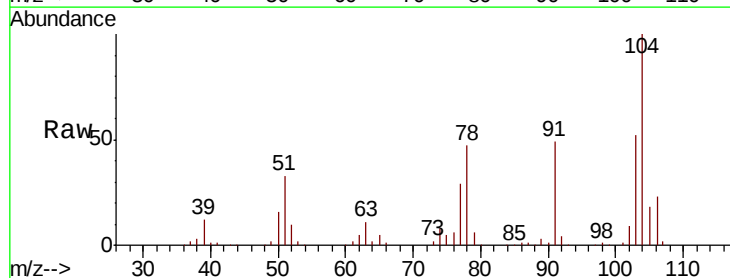
Acq: 28 Aug 2018 17:18

Tgt Ion:104 Resp: 168103

Ion Ratio Lower Upper

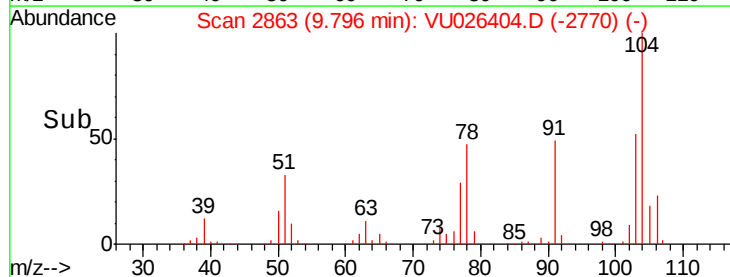
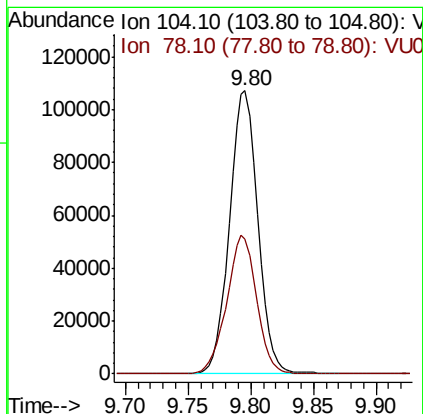
104 100

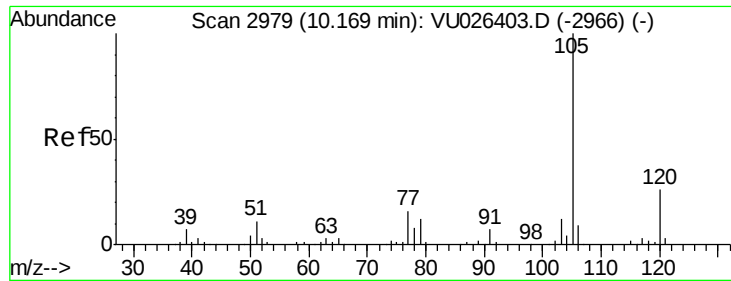
78 47.5 32.4 60.2



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 11.261 ug/L

RT: 10.17 min Scan# 2979

Delta R.T. -0.00 min

Lab File: VU026404.D

Acq: 28 Aug 2018 17:18

Instrument :

MSVOA_U

ClientSampleId :

VSTD01045

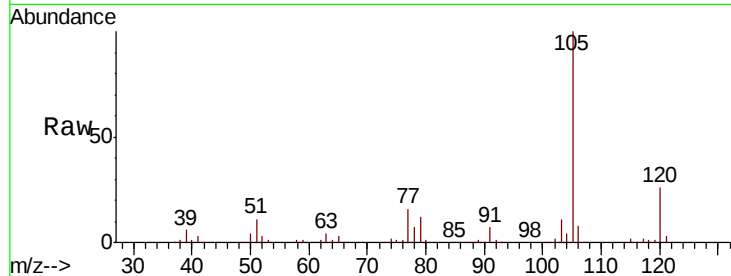
Tgt Ion: 105 Resp: 252141

Ion Ratio Lower Upper

105 100

120 26.2 20.8 31.2

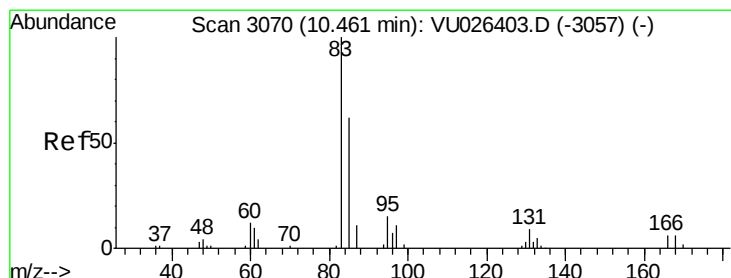
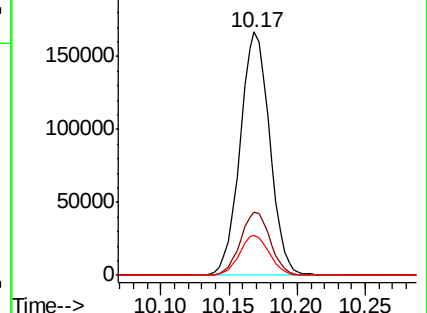
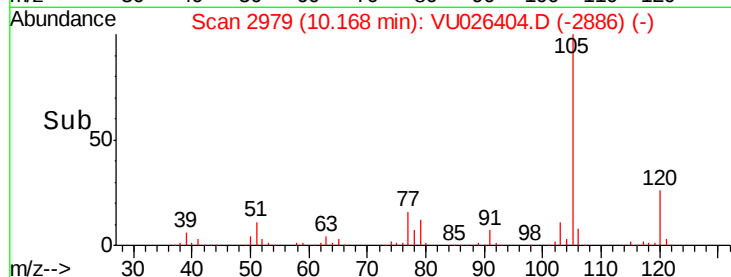
77 16.6 13.4 20.2



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: 9.933 ug/L

RT: 10.46 min Scan# 3069

Delta R.T. -0.00 min

Lab File: VU026404.D

Acq: 28 Aug 2018 17:18

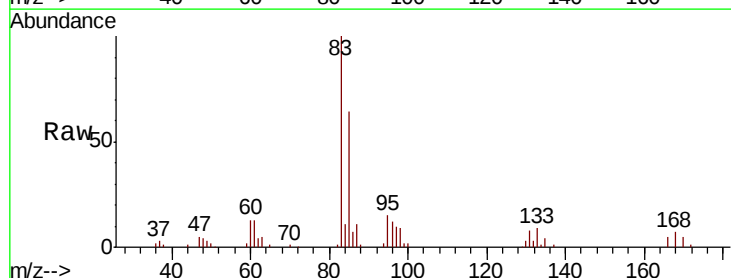
Tgt Ion: 83 Resp: 50722

Ion Ratio Lower Upper

83 100

85 64.1 44.1 81.9

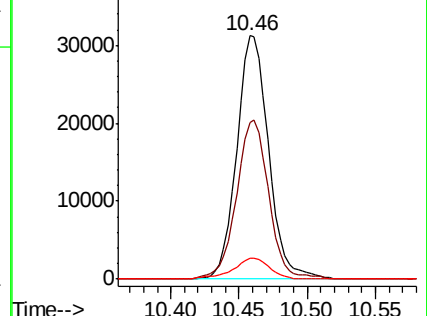
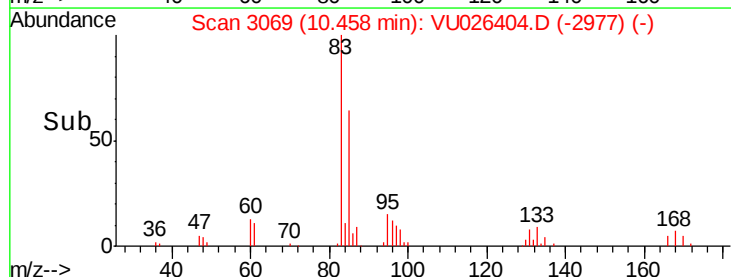
131 8.5 7.3 10.9

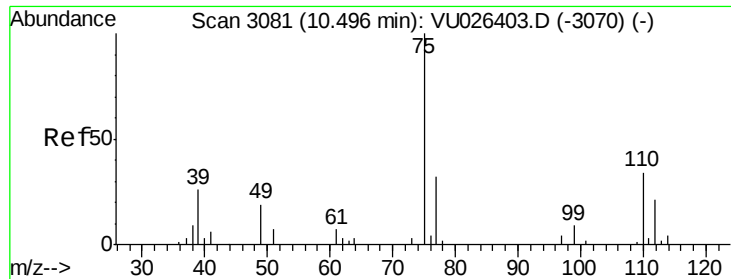


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

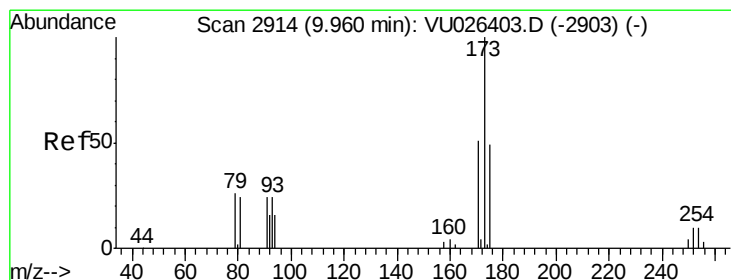
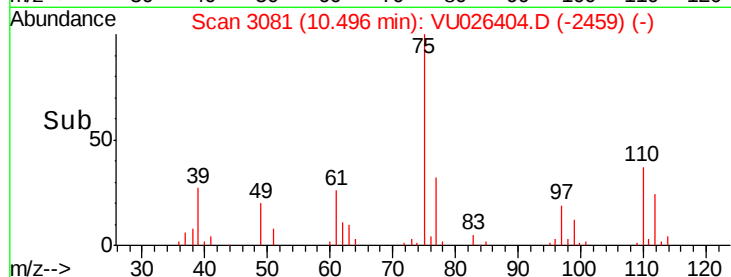
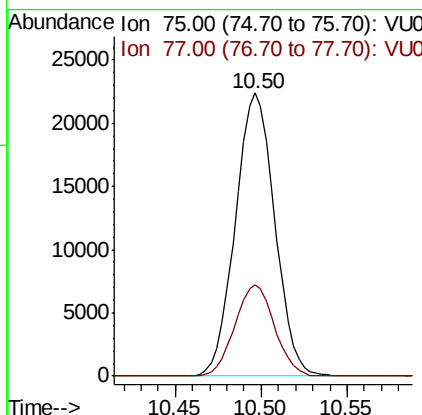
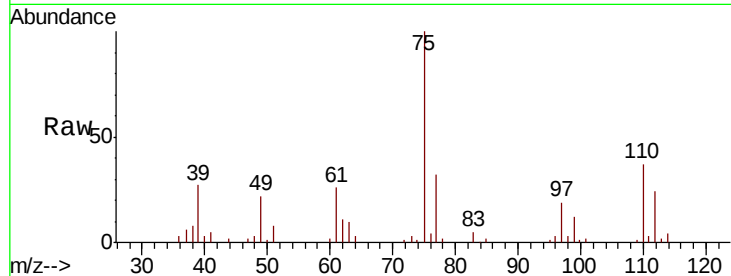




#59
 1,2,3-Trichloropropane
 Concen: 9.903 ug/L
 RT: 10.50 min Scan# 3081
 Delta R.T. -0.00 min
 Lab File: VU026404.D
 Acq: 28 Aug 2018 17:18

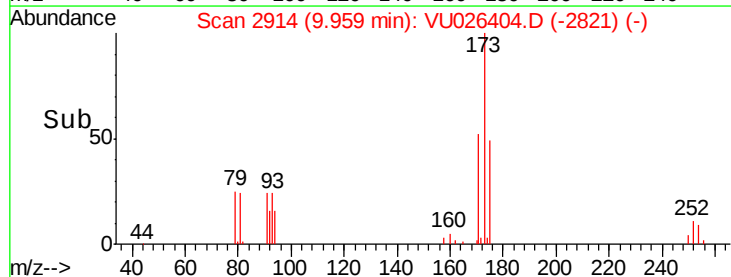
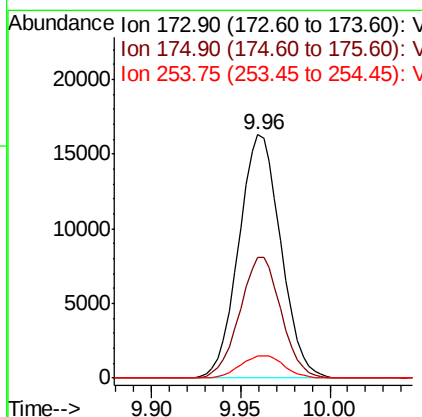
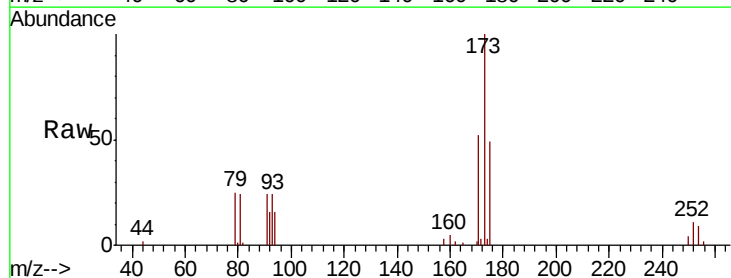
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01045

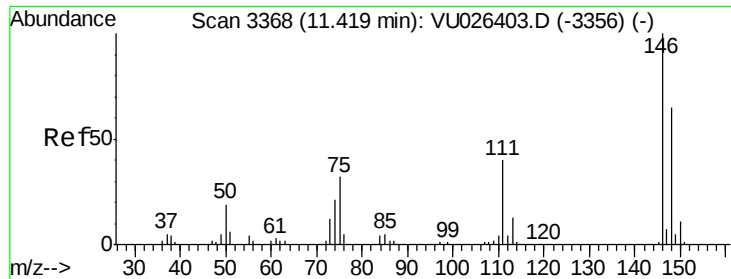
Tgt Ion: 75 Resp: 35540
 Ion Ratio Lower Upper
 75 100
 77 32.4 25.0 37.4



#61
 Bromoform
 Concen: 9.587 ug/L
 RT: 9.96 min Scan# 2914
 Delta R.T. -0.00 min
 Lab File: VU026404.D
 Acq: 28 Aug 2018 17:18

Tgt Ion: 173 Resp: 26829
 Ion Ratio Lower Upper
 173 100
 175 48.9 40.0 60.0
 254 9.6 7.9 11.9





#62

1,3-Dichlorobenzene

Concen: 9.957 ug/L

RT: 11.42 min Scan# 3368

Delta R.T. -0.00 min

Lab File: VU026404.D

Acq: 28 Aug 2018 17:18

Instrument :

MSVOA_U

ClientSampleId :

VSTD01045

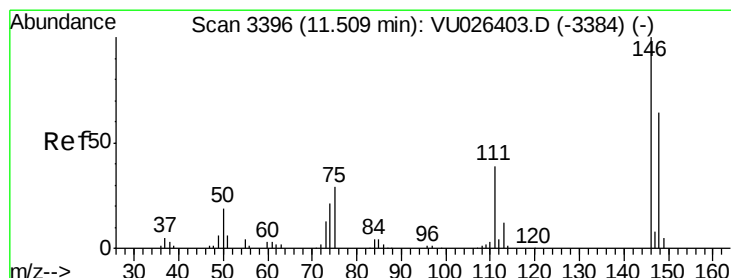
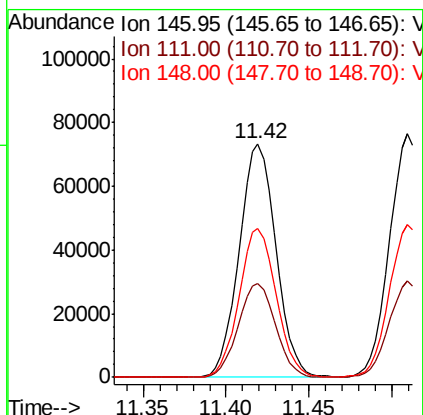
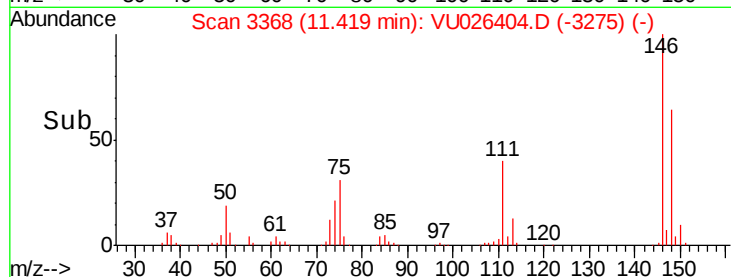
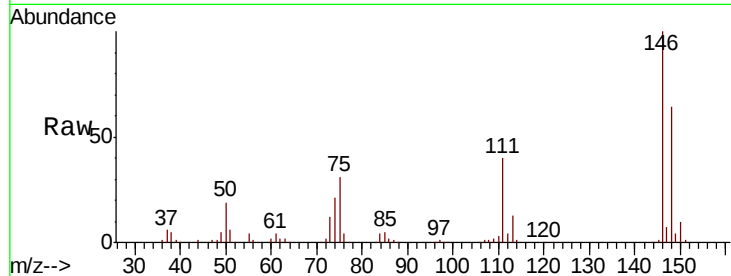
Tgt Ion:146 Resp: 113481

Ion Ratio Lower Upper

146 100

111 40.0 28.1 52.1

148 63.9 45.4 84.4



#63

1,4-Dichlorobenzene

Concen: 9.798 ug/L

RT: 11.51 min Scan# 3396

Delta R.T. -0.00 min

Lab File: VU026404.D

Acq: 28 Aug 2018 17:18

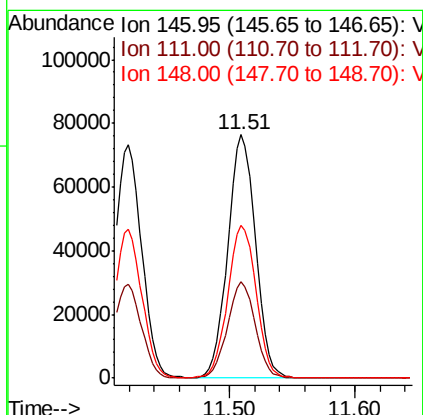
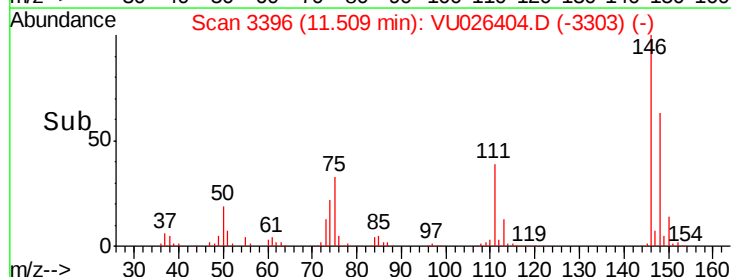
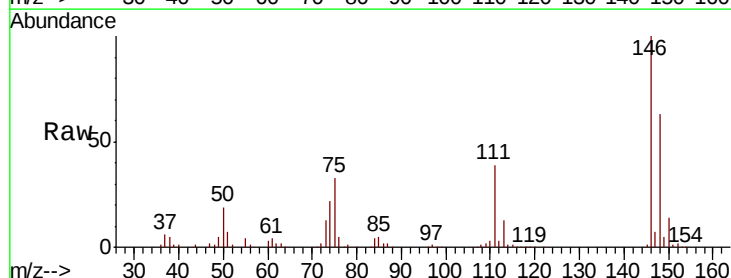
Tgt Ion:146 Resp: 117450

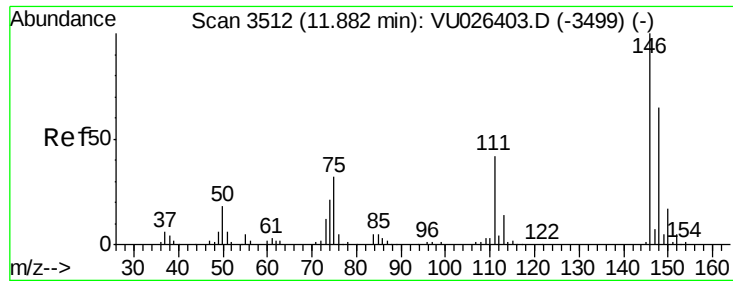
Ion Ratio Lower Upper

146 100

111 39.3 27.2 50.4

148 62.6 44.9 83.5

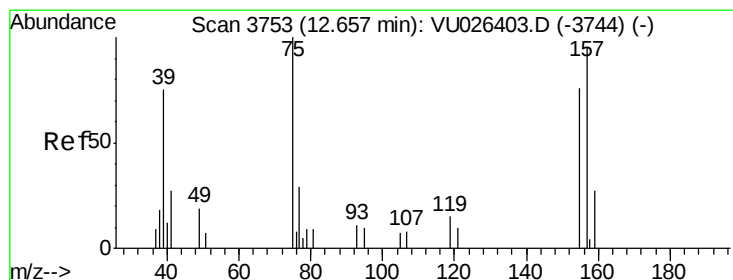
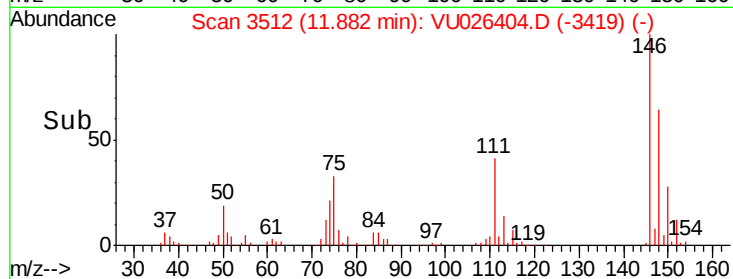
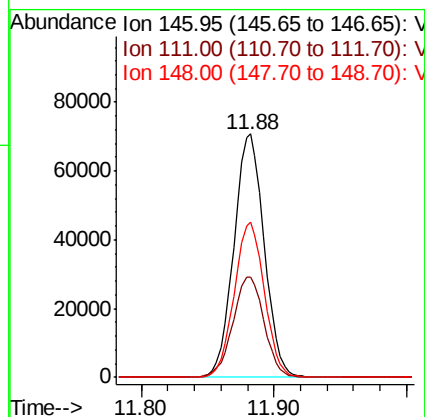
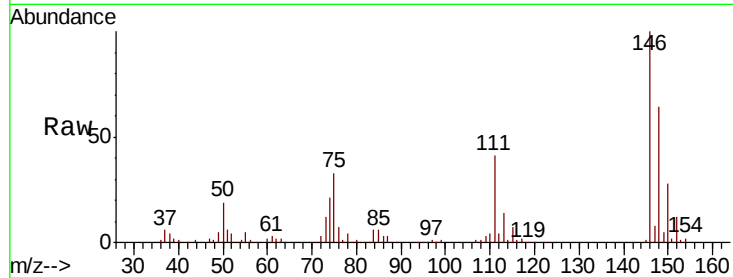




#65
 1,2-Dichlorobenzene
 Concen: 9.957 ug/L
 RT: 11.88 min Scan# 3512
 Delta R.T. -0.00 min
 Lab File: VU026404.D
 Acq: 28 Aug 2018 17:18

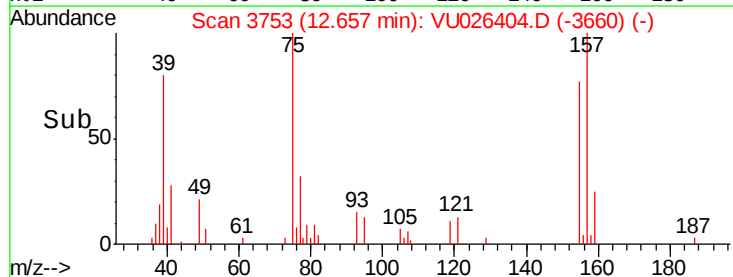
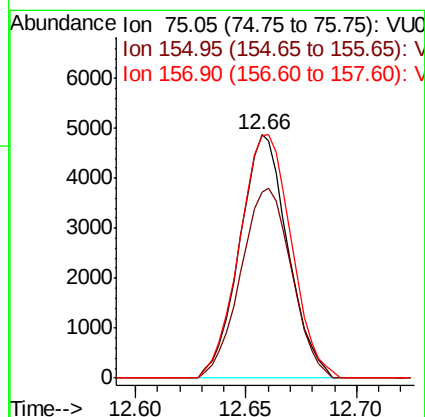
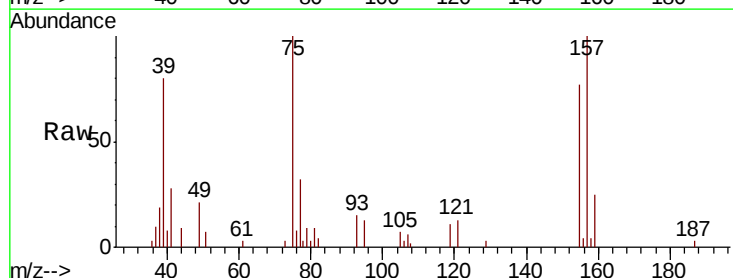
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01045

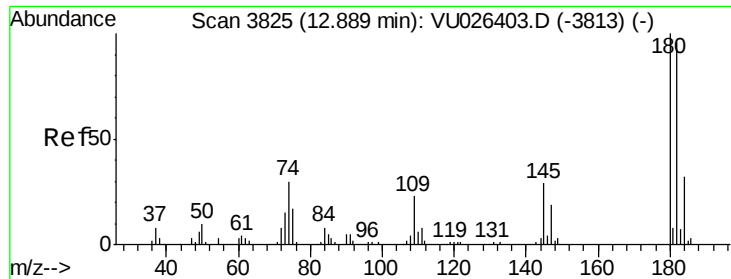
Tgt Ion: 146 Resp: 112146
 Ion Ratio Lower Upper
 146 100
 111 41.3 33.7 50.5
 148 63.6 51.9 77.9



#66
 1,2-Dibromo-3-chloropropane
 Concen: 9.810 ug/L
 RT: 12.66 min Scan# 3753
 Delta R.T. -0.00 min
 Lab File: VU026404.D
 Acq: 28 Aug 2018 17:18

Tgt Ion: 75 Resp: 7390
 Ion Ratio Lower Upper
 75 100
 155 76.6 60.8 91.2
 157 99.6 75.9 113.9

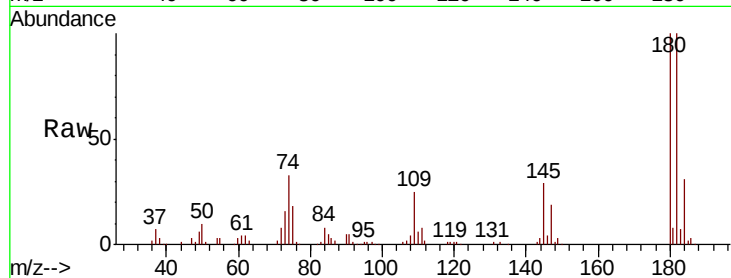




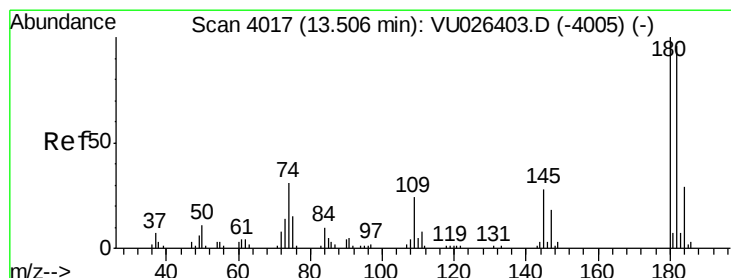
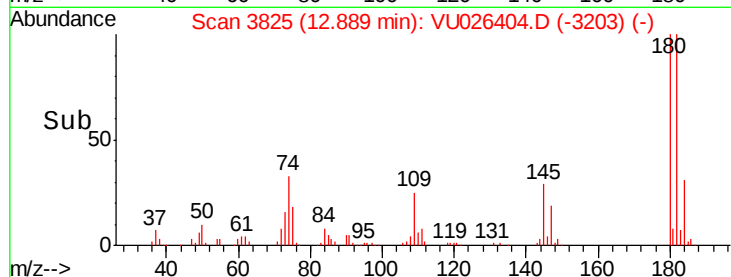
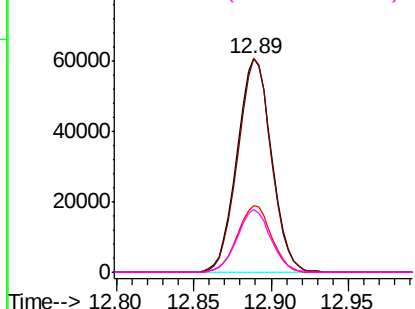
#67
 1,3,5-Trichlorobenzene
 Concen: 9.863 ug/L
 RT: 12.89 min Scan# 3825
 Delta R.T. -0.00 min
 Lab File: VU026404.D
 Acq: 28 Aug 2018 17:18

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01045

Tgt Ion:180 Resp: 93983
 Ion Ratio Lower Upper
 180 100
 182 97.3 78.0 117.0
 184 30.6 25.0 37.6
 145 28.7 22.9 34.3

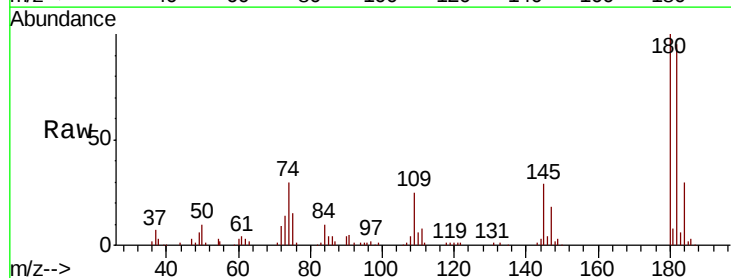


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

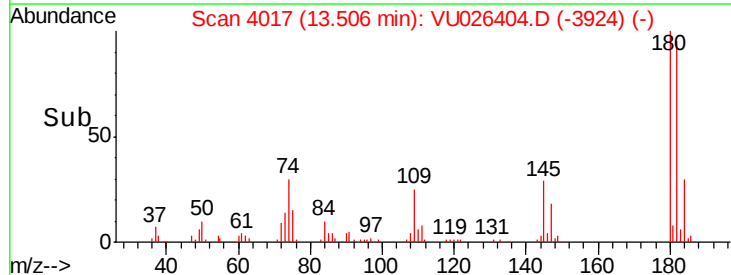
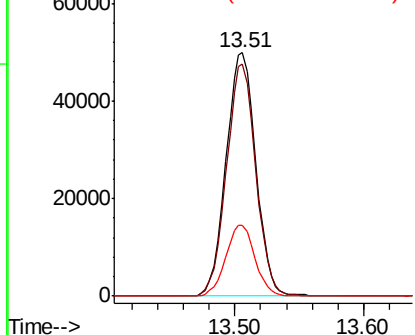


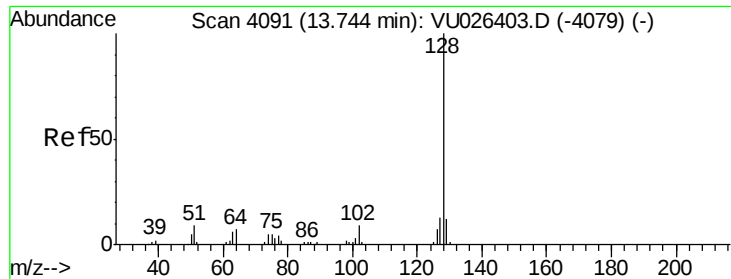
#68
 1,2,4-trichlorobenzene
 Concen: 10.384 ug/L
 RT: 13.51 min Scan# 4017
 Delta R.T. -0.00 min
 Lab File: VU026404.D
 Acq: 28 Aug 2018 17:18

Tgt Ion:180 Resp: 79549
 Ion Ratio Lower Upper
 180 100
 182 94.2 76.9 115.3
 145 28.6 23.6 35.4



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: 11.013 ug/L

RT: 13.74 min Scan# 4091

Delta R.T. -0.00 min

Lab File: VU026404.D

Acq: 28 Aug 2018 17:18

Instrument :

MSVOA_U

ClientSampled :

VSTD01045

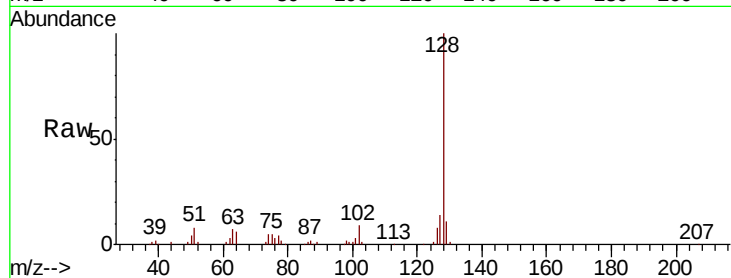
Tgt Ion:128 Resp: 128799

Ion Ratio Lower Upper

128 100

129 10.7 9.0 13.6

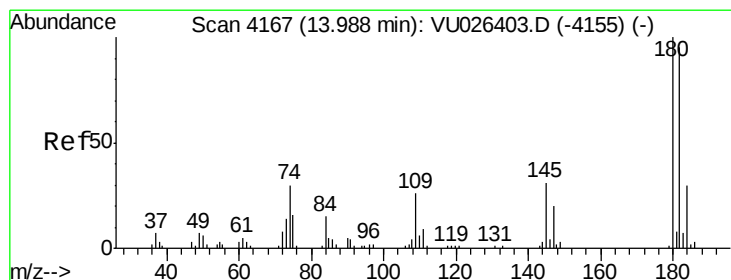
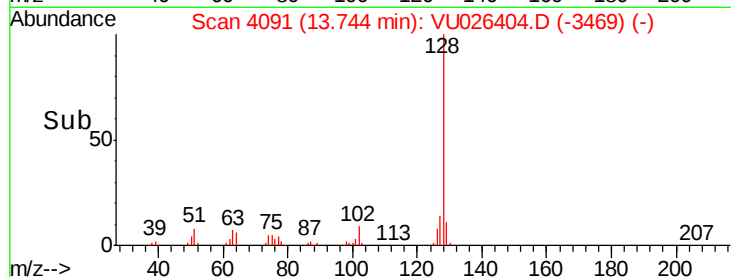
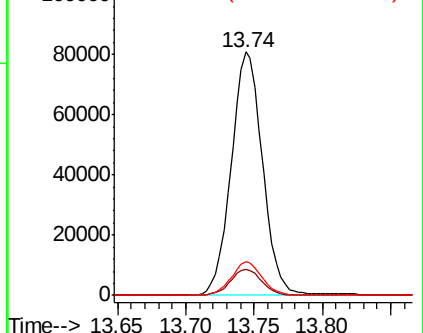
127 13.5 10.6 15.8



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: 10.340 ug/L

RT: 13.99 min Scan# 4167

Delta R.T. -0.00 min

Lab File: VU026404.D

Acq: 28 Aug 2018 17:18

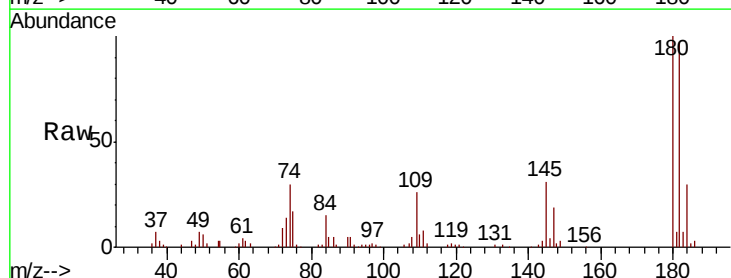
Tgt Ion:180 Resp: 73254

Ion Ratio Lower Upper

180 100

182 96.4 75.4 113.2

145 30.2 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

