

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU082818\
 Data File : VU026403.D
 Acq On : 28 Aug 2018 16:54
 Operator : MD/SY
 Sample : VSTD00544
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00544

Quant Time: Aug 28 23:51:24 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	63768	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	63992	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	31738	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	41180	4.84	ug/L	0.00
7) Chloroethane-d5	1.68	69	30534	4.78	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.27	63	70695	4.92	ug/L	0.00
20) 2-Butanone-d5	4.20	46	78176	49.77	ug/L	0.00
24) Chloroform-d	4.65	84	50591	5.19	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	29249	4.78	ug/L	0.00
32) Benzene-d6	5.34	84	107623	4.91	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.34	67	35796	4.93	ug/L	0.00
41) Toluene-d8	7.57	98	103720	5.06	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	13041	4.93	ug/L	0.00
46) 2-Hexanone-d5	8.32	63	60773	51.78	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.44	84	27350	4.86	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	36383	4.91	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	31103	5.084	ug/L 100
3) Chloromethane	1.33	50	40870	5.049	ug/L 100
5) Vinyl chloride	1.40	62	41437	5.084	ug/L 100
6) Bromomethane	1.63	94	19746	5.038	ug/L 100
8) Chloroethane	1.70	64	23513	4.902	ug/L 100
9) Trichlorofluoromethane	1.89	101	49717	5.119	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	28868	5.067	ug/L 100
12) 1,1-Dichloroethene	2.28	96	26530	5.079	ug/L 100
13) Acetone	2.32	43	54549	47.032	ug/L 100
14) Carbon disulfide	2.48	76	94988	4.952	ug/L 100
15) Methyl Acetate	2.62	43	15873	4.852	ug/L 100
16) Methylene chloride	2.70	84	30747	4.710	ug/L 100
17) Methyl tert-butyl Ether	3.01	73	67284	5.133	ug/L 100
18) trans-1,2-Dichloroethene	2.98	96	28335	4.966	ug/L 100
19) 1,1-Dichloroethane	3.45	63	59293	5.010	ug/L 100
21) 2-Butanone	4.28	43	75724	50.886	ug/L 100
22) cis-1,2-Dichloroethene	4.23	96	28088	4.859	ug/L 100
23) Bromochloromethane	4.55	128	11673	4.989	ug/L 100
25) Chloroform	4.68	83	54371	4.777	ug/L 100
27) 1,2-Dichloroethane	5.41	62	32109	5.067	ug/L 100
29) 1,1,1-Trichloroethane	4.91	97	40693	5.064	ug/L 100
30) Cyclohexane	4.99	56	41763	5.082	ug/L 100
31) Carbon tetrachloride	5.13	117	36491	5.035	ug/L 100
33) Benzene	5.39	78	108535	5.111	ug/L 100
34) Trichloroethene	6.19	95	27063	4.719	ug/L 100
35) Methylcyclohexane	6.42	83	41787	5.123	ug/L 100
37) 1,2-Dichloropropane	6.44	63	30206	5.130	ug/L 100
38) Bromodichloromethane	6.76	83	35168	5.081	ug/L 100
39) cis-1,3-Dichloropropene	7.27	75	38208	5.109	ug/L 100
40) 4-Methyl-2-pentanone	7.47	43	174479	52.625	ug/L 100

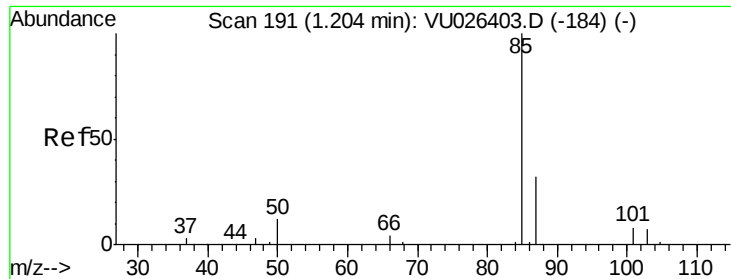
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU082818\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.64	91	112751	5.210	ug/L	100
44) trans-1,3-Dichloropropene	7.88	75	31840	5.168	ug/L	100
45) 1,1,2-Trichloroethane	8.07	97	19223	5.204	ug/L	100
47) Tetrachloroethene	8.23	164	21616	5.011	ug/L	100
48) 2-Hexanone	8.37	43	131827	53.690	ug/L	100
49) Dibromochloromethane	8.48	129	22751	5.051	ug/L	100
50) 1,2-Dibromoethane	8.59	107	17815	5.100	ug/L	100
51) Chlorobenzene	9.12	112	70134	4.996	ug/L	100
52) Ethylbenzene	9.25	91	117353	5.117	ug/L	100
53) m,p-xylene	9.38	106	44086	5.226	ug/L	100
54) o-xylene	9.78	106	41810	5.239	ug/L	100
55) Styrene	9.80	104	75274	5.385	ug/L	100
56) Isopropylbenzene	10.17	105	110566	5.209	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.46	83	24640	5.090	ug/L	100
59) 1,2,3-Trichloropropane	10.50	75	17307	5.087	ug/L	100
61) Bromoform	9.96	173	12554	4.995	ug/L	100
62) 1,3-Dichlorobenzene	11.42	146	51773	5.058	ug/L	100
63) 1,4-Dichlorobenzene	11.51	146	54278	5.042	ug/L	100
65) 1,2-Dichlorobenzene	11.88	146	51980	5.139	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.66	75	3615	5.343	ug/L	100
67) 1,3,5-Trichlorobenzene	12.89	180	42067	4.916	ug/L	100
68) 1,2,4-trichlorobenzene	13.51	180	34260	4.980	ug/L	100
69) Naphthalene	13.74	128	53230	5.068	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	33755	5.305	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 5.084 ug/L

RT: 1.20 min Scan# 191

Delta R.T. 0.00 min

Lab File: VU026403.D

Acq: 28 Aug 2018 16:54

Instrument :

MSVOA_U

ClientSampleId :

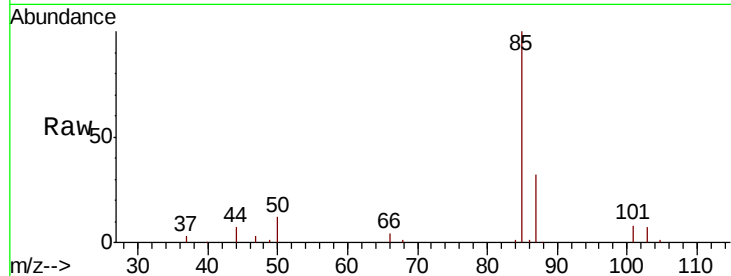
VSTD00544

Tgt Ion: 85 Resp: 31103

Ion Ratio Lower Upper

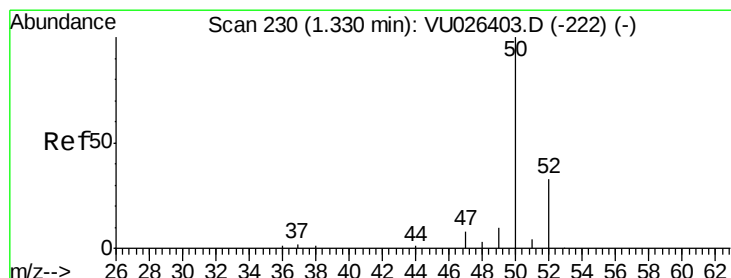
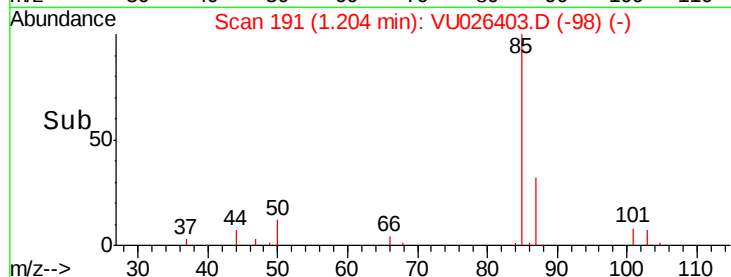
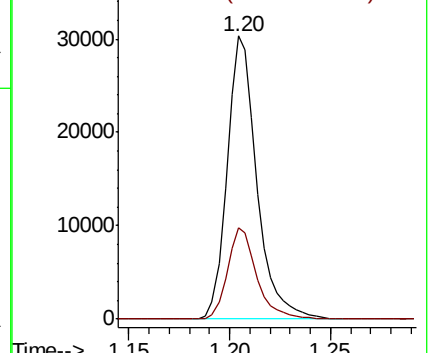
85 100

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: 5.049 ug/L

RT: 1.33 min Scan# 230

Delta R.T. 0.00 min

Lab File: VU026403.D

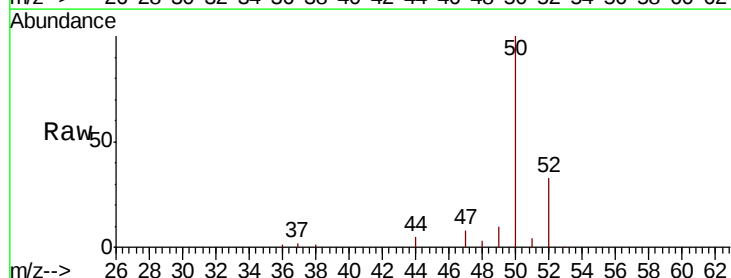
Acq: 28 Aug 2018 16:54

Tgt Ion: 50 Resp: 40870

Ion Ratio Lower Upper

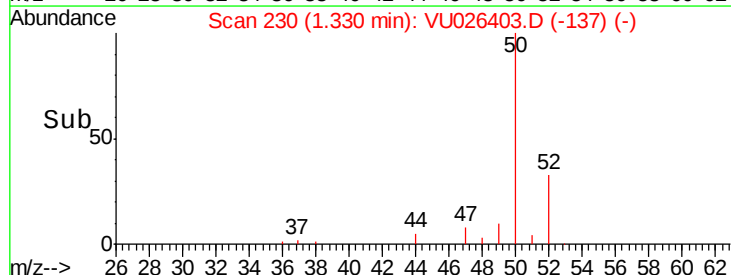
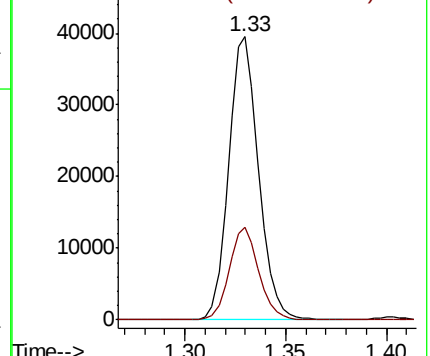
50 100

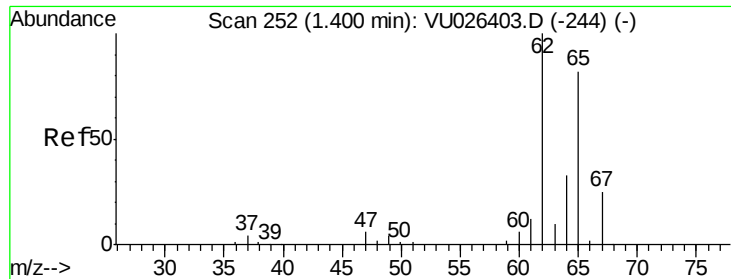
52 32.8 23.0 42.6



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0





#5

Vinyl chloride

Concen: 5.084 ug/L

RT: 1.40 min Scan# 252

Delta R.T. 0.00 min

Lab File: VU026403.D

Acq: 28 Aug 2018 16:54

Instrument :

MSVOA_U

ClientSampleId :

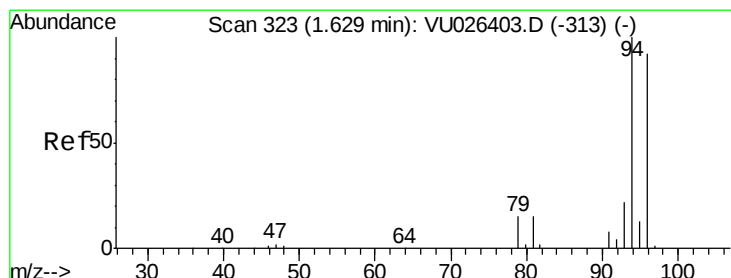
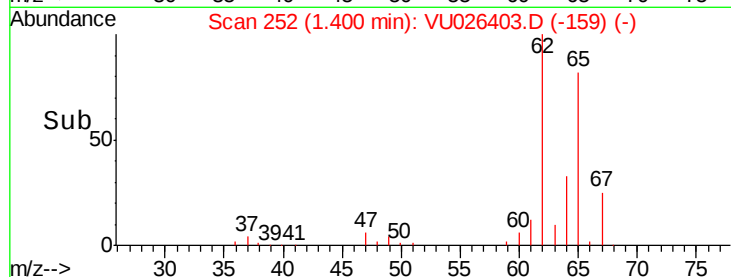
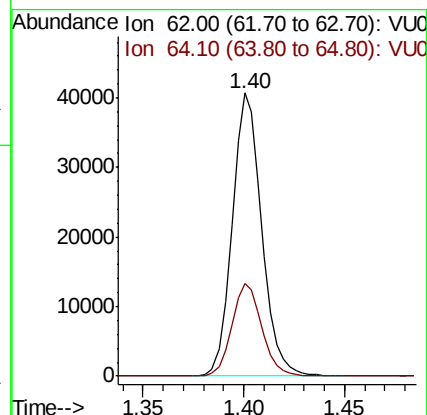
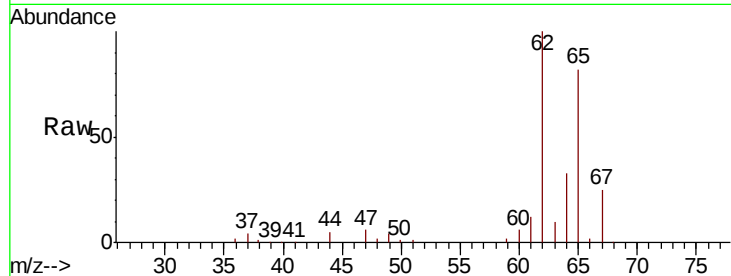
VSTD00544

Tgt Ion: 62 Resp: 41437

Ion Ratio Lower Upper

62 100

64 32.9 23.0 42.8



#6

Bromomethane

Concen: 5.038 ug/L

RT: 1.63 min Scan# 323

Delta R.T. 0.00 min

Lab File: VU026403.D

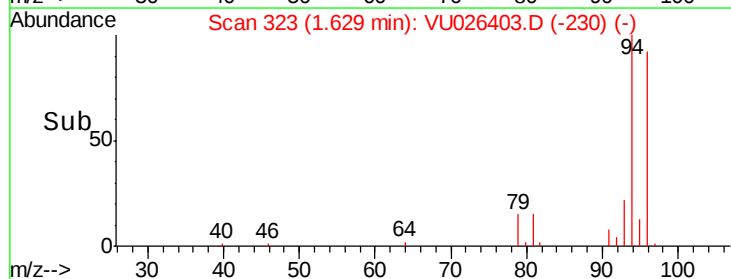
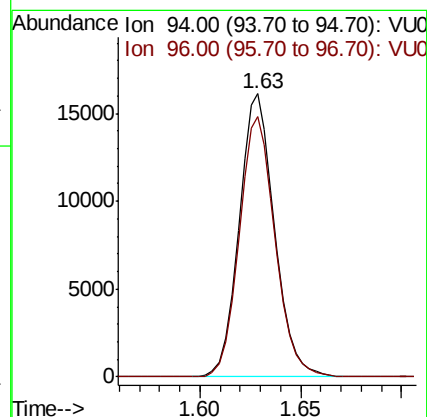
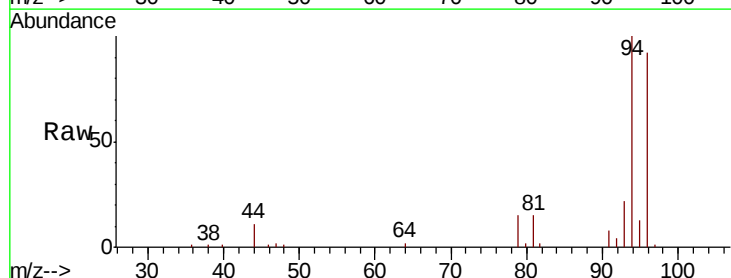
Acq: 28 Aug 2018 16:54

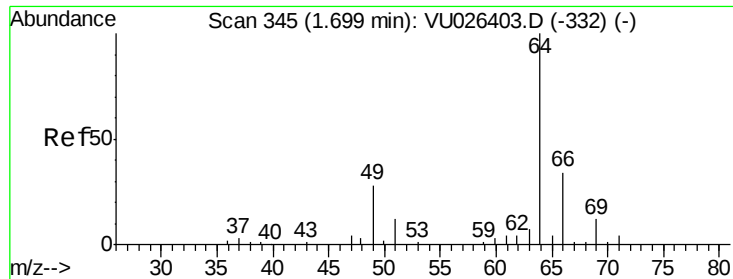
Tgt Ion: 94 Resp: 19746

Ion Ratio Lower Upper

94 100

96 91.9 64.3 119.5

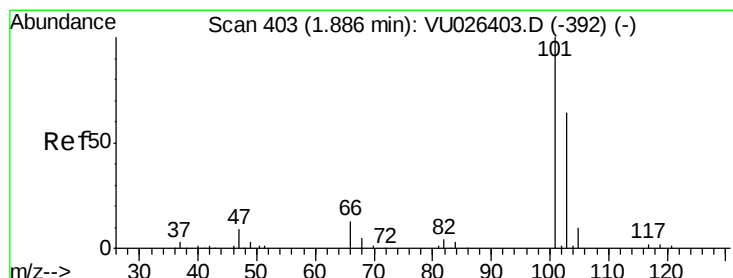
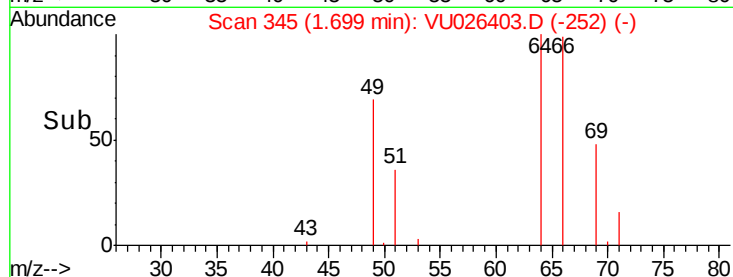
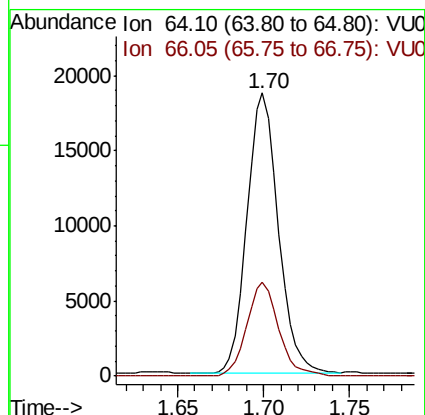
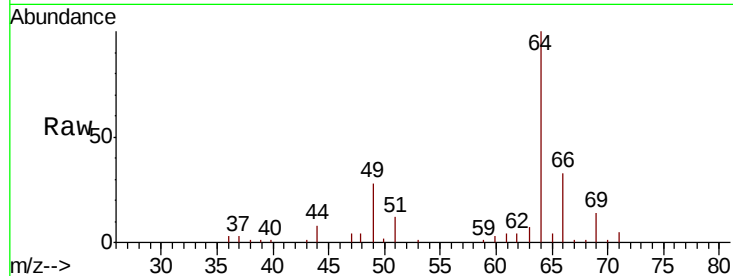




#8
 Chloroethane
 Concen: 4.902 ug/L
 RT: 1.70 min Scan# 345
 Delta R.T. 0.00 min
 Lab File: VU026403.D
 Acq: 28 Aug 2018 16:54

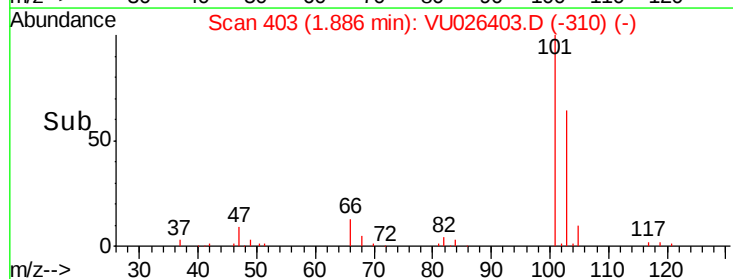
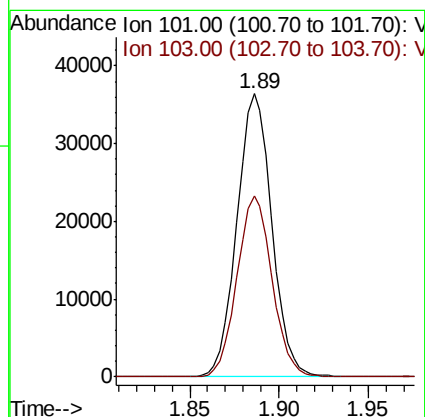
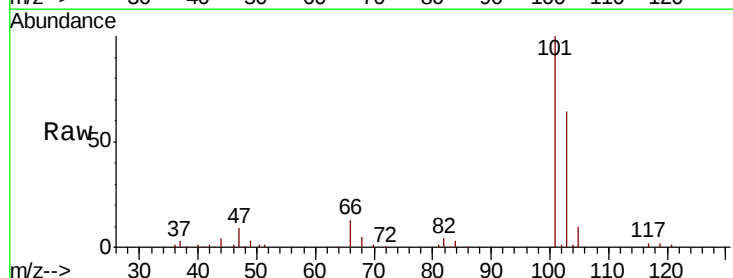
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00544

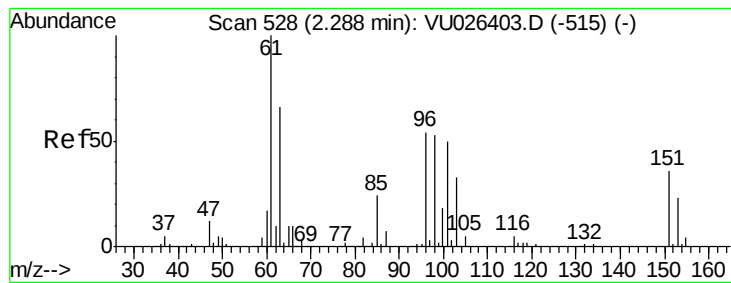
Tgt Ion: 64 Resp: 23513
 Ion Ratio Lower Upper
 64 100
 66 33.2 23.2 43.2



#9
 Trichlorofluoromethane
 Concen: 5.119 ug/L
 RT: 1.89 min Scan# 403
 Delta R.T. 0.00 min
 Lab File: VU026403.D
 Acq: 28 Aug 2018 16:54

Tgt Ion: 101 Resp: 49717
 Ion Ratio Lower Upper
 101 100
 103 64.1 51.3 76.9





#10

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

Concen: 5.067 ug/L

RT: 2.29 min Scan# 528

Delta R.T. 0.00 min

Lab File: VU026403.D

Acq: 28 Aug 2018 16:54

Instrument :

MSVOA_U

ClientSampleId :

VSTD00544

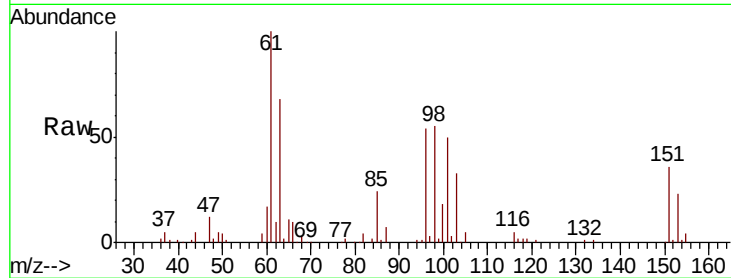
Tgt Ion: 101 Resp: 28868

Ion Ratio Lower Upper

101 100

85 45.0 36.0 54.0

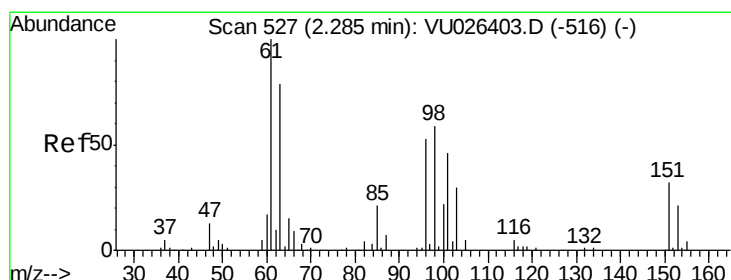
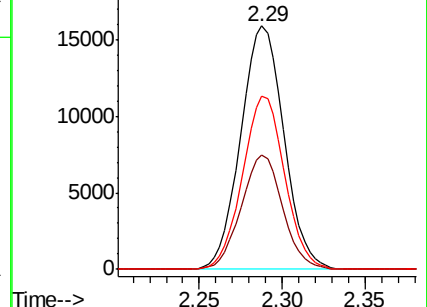
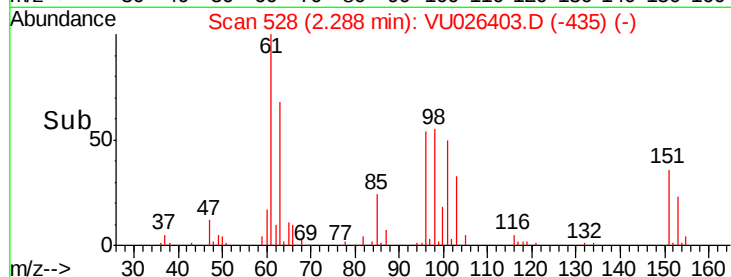
151 69.4 55.5 83.3



Abundance Ion 101.00 (100.70 to 101.70): VU026403.D (-515) (-)

Ion 85.00 (84.70 to 85.70): VU026403.D (-515) (-)

Ion 151.00 (150.70 to 151.70): VU026403.D (-515) (-)



#12

1,1-Dichloroethene

Concen: 5.079 ug/L

RT: 2.28 min Scan# 527

Delta R.T. 0.00 min

Lab File: VU026403.D

Acq: 28 Aug 2018 16:54

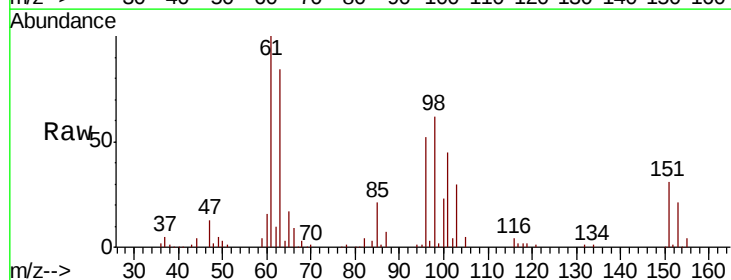
Tgt Ion: 96 Resp: 26530

Ion Ratio Lower Upper

96 100

61 190.7 133.5 247.9

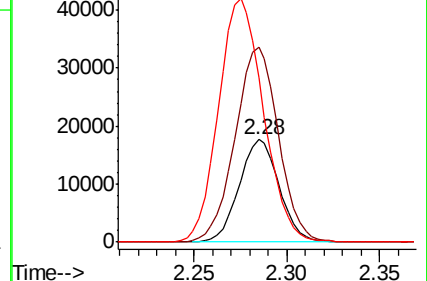
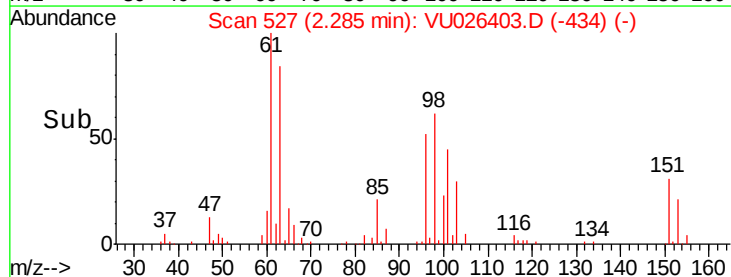
63 160.5 112.3 208.7

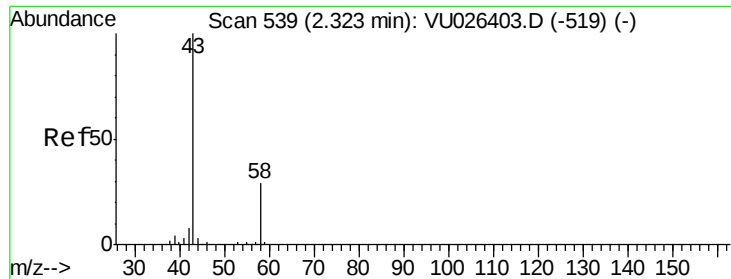


Abundance Ion 96.00 (95.70 to 96.70): VU026403.D (-516) (-)

Ion 61.05 (60.75 to 61.75): VU026403.D (-516) (-)

Ion 63.00 (62.70 to 63.70): VU026403.D (-516) (-)





#13

Acetone

Concen: 47.032 ug/L

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU026403.D

Acq: 28 Aug 2018 16:54

Instrument :

MSVOA_U

ClientSampleId :

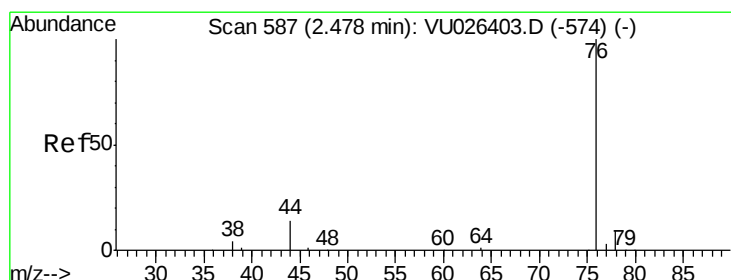
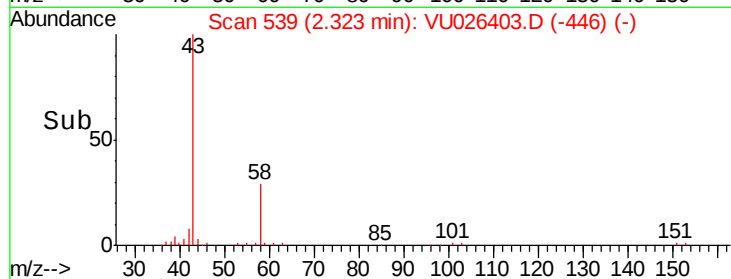
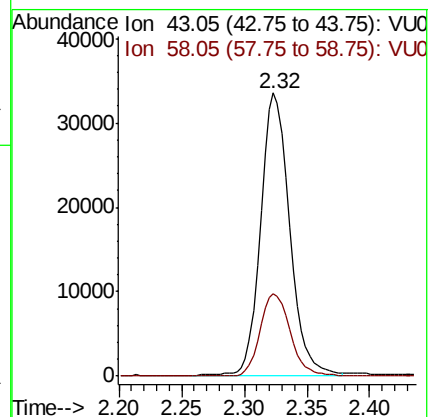
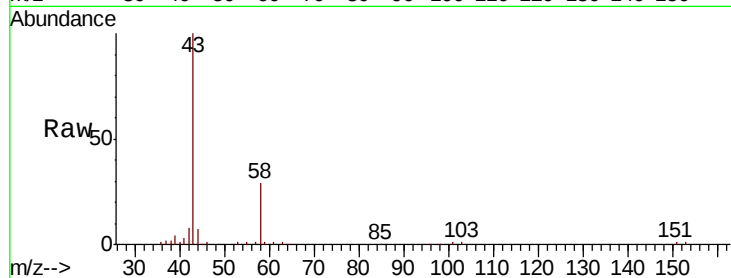
VSTD00544

Tgt Ion: 43 Resp: 54549

Ion Ratio Lower Upper

43 100

58 30.3 0.0 60.6



#14

Carbon disulfide

Concen: 4.952 ug/L

RT: 2.48 min Scan# 587

Delta R.T. 0.00 min

Lab File: VU026403.D

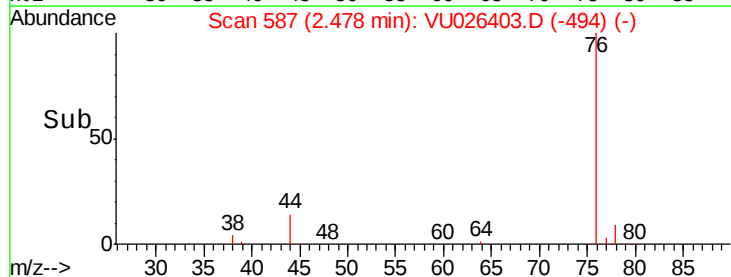
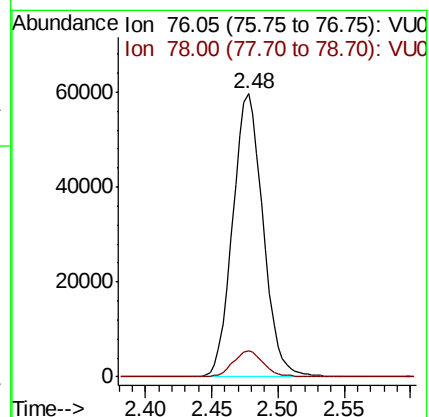
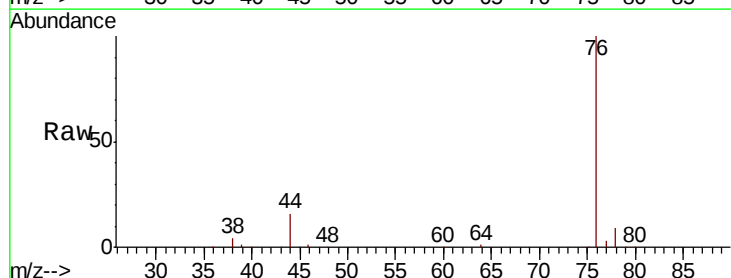
Acq: 28 Aug 2018 16:54

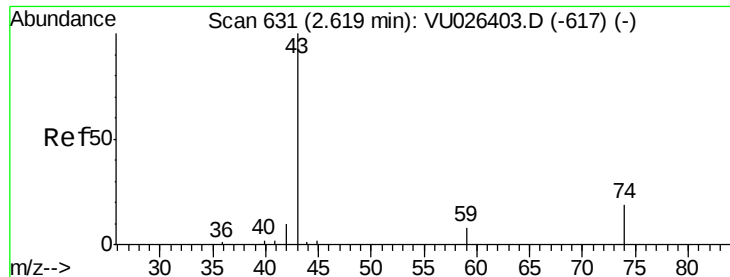
Tgt Ion: 76 Resp: 94988

Ion Ratio Lower Upper

76 100

78 9.0 7.2 10.8

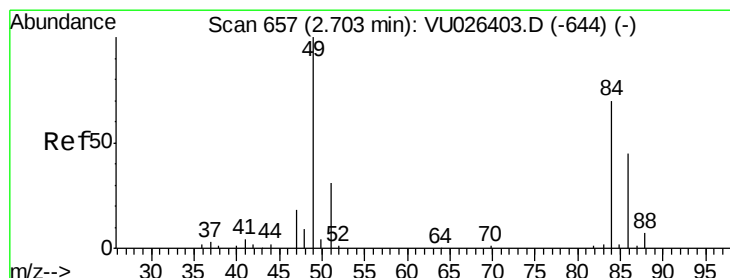
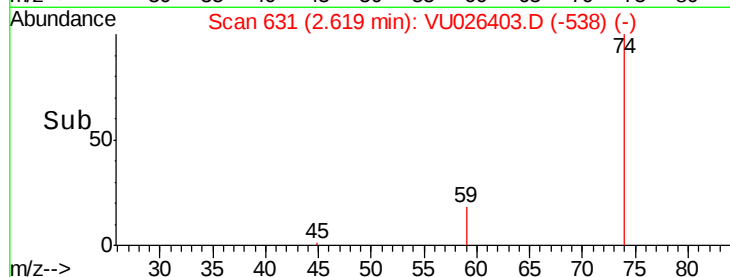
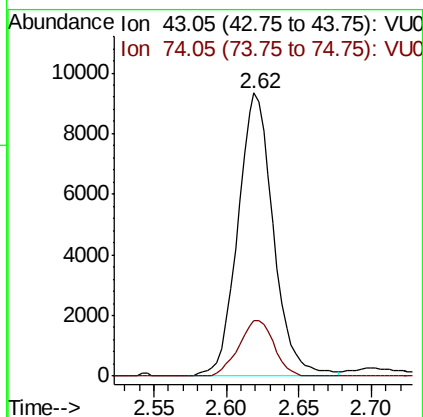
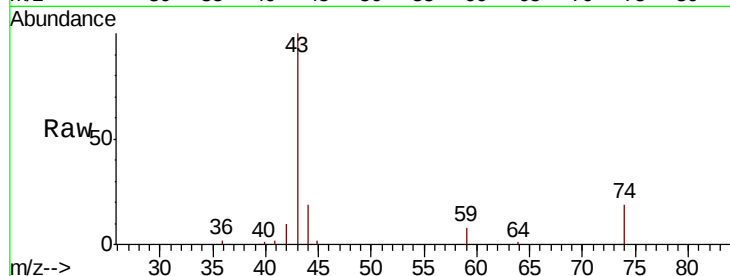




#15
Methyl Acetate
Concen: 4.852 ug/L
RT: 2.62 min Scan# 631
Delta R.T. 0.00 min
Lab File: VU026403.D
Acq: 28 Aug 2018 16:54

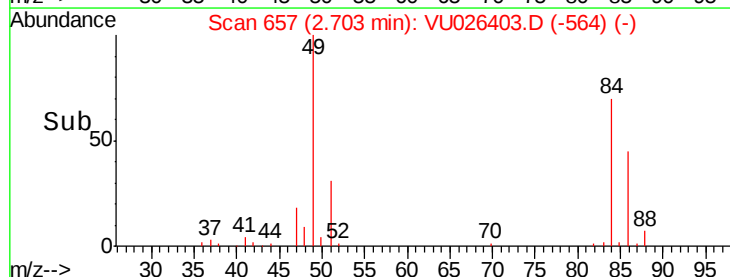
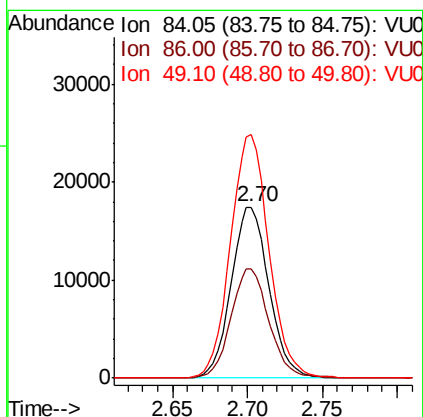
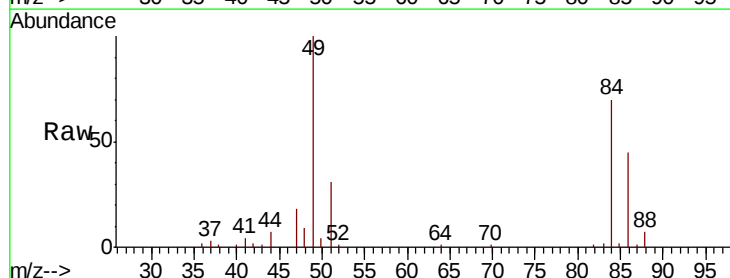
Instrument :
MSVOA_U
ClientSampleId :
VSTD00544

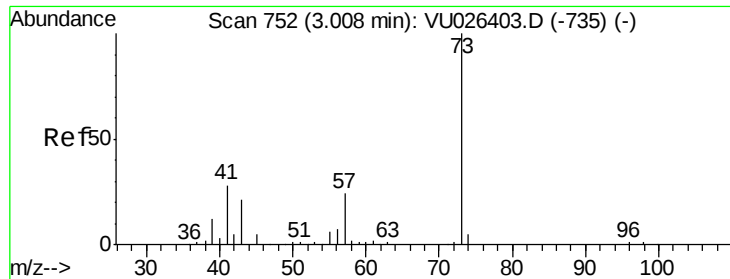
Tgt Ion: 43 Resp: 15873
Ion Ratio Lower Upper
43 100
74 19.3 15.4 23.2



#16
Methylene chloride
Concen: 4.710 ug/L
RT: 2.70 min Scan# 657
Delta R.T. 0.00 min
Lab File: VU026403.D
Acq: 28 Aug 2018 16:54

Tgt Ion: 84 Resp: 30747
Ion Ratio Lower Upper
84 100
86 64.1 44.9 83.3
49 142.4 99.7 185.1

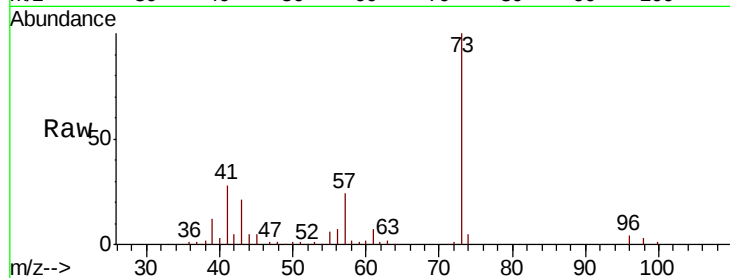




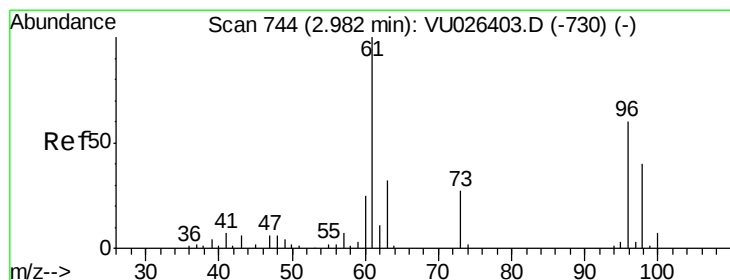
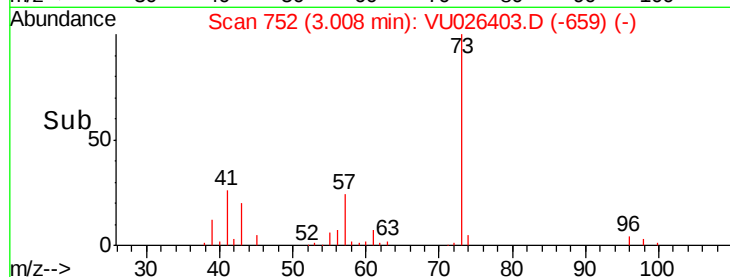
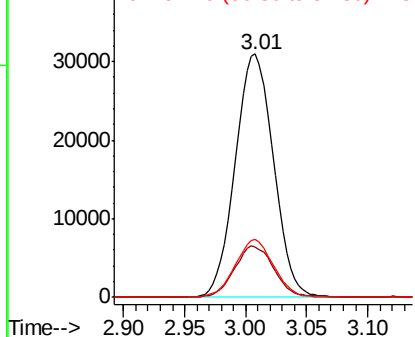
#17
Methyl tert-butyl Ether
Concen: 5.133 ug/L
RT: 3.01 min Scan# 752
Delta R.T. 0.00 min
Lab File: VU026403.D
Acq: 28 Aug 2018 16:54

Instrument :
MSVOA_U
ClientSampleId :
VSTD00544

Tgt Ion: 73 Resp: 67284
Ion Ratio Lower Upper
73 100
43 22.0 17.6 26.4
57 23.8 19.0 28.6

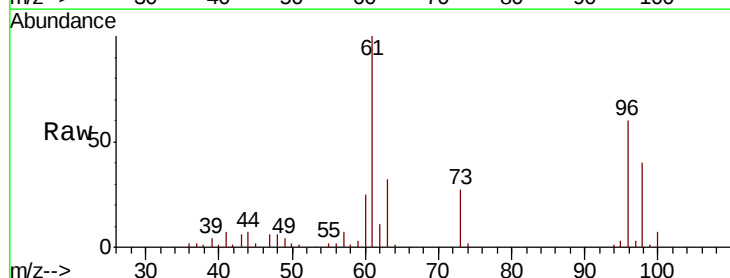


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

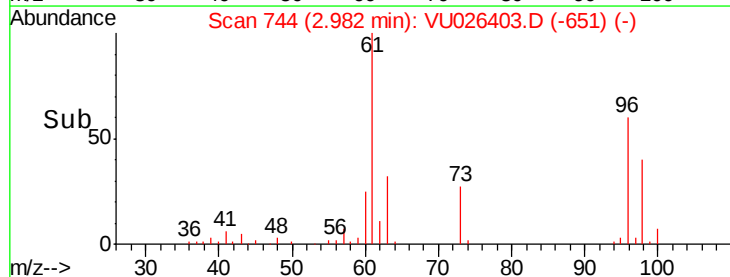
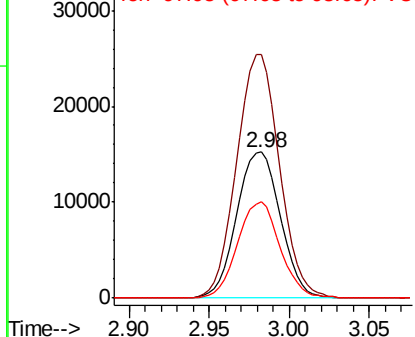


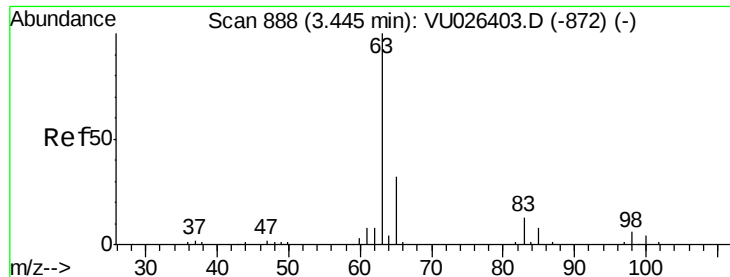
#18
trans-1,2-Dichloroethene
Concen: 4.966 ug/L
RT: 2.98 min Scan# 744
Delta R.T. 0.00 min
Lab File: VU026403.D
Acq: 28 Aug 2018 16:54

Tgt Ion: 96 Resp: 28335
Ion Ratio Lower Upper
96 100
61 166.6 116.6 216.6
98 65.9 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

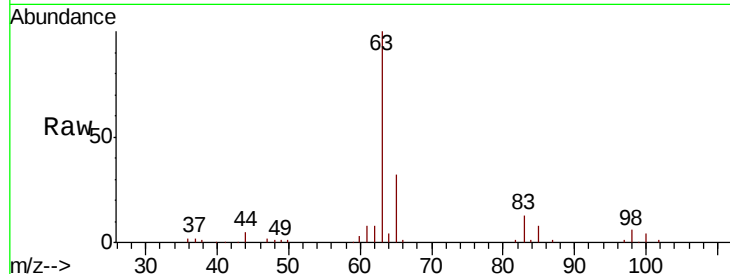




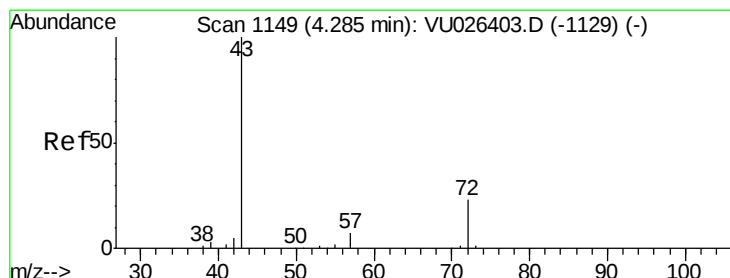
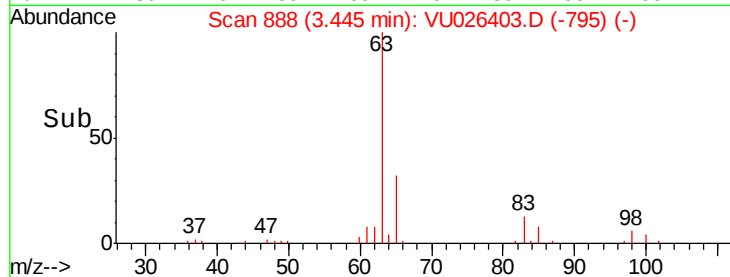
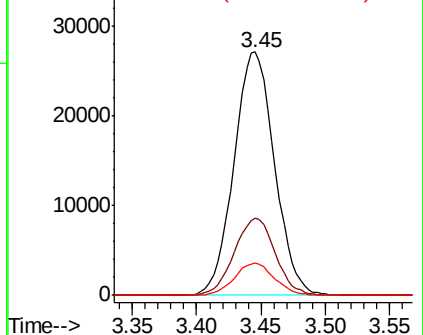
#19
 1,1-Dichloroethane
 Concen: 5.010 ug/L
 RT: 3.45 min Scan# 888
 Delta R.T. 0.00 min
 Lab File: VU026403.D
 Acq: 28 Aug 2018 16:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00544

Tgt Ion: 63 Resp: 59293
 Ion Ratio Lower Upper
 63 100
 65 31.7 22.2 41.2
 83 13.2 9.2 17.2

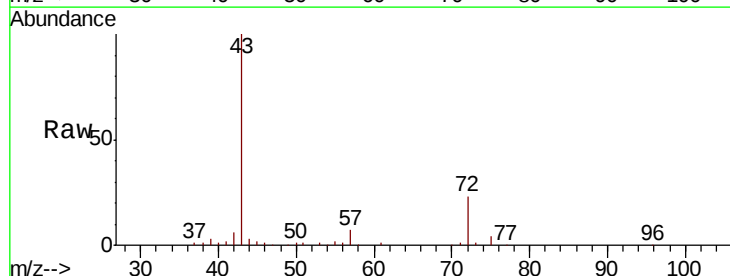


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

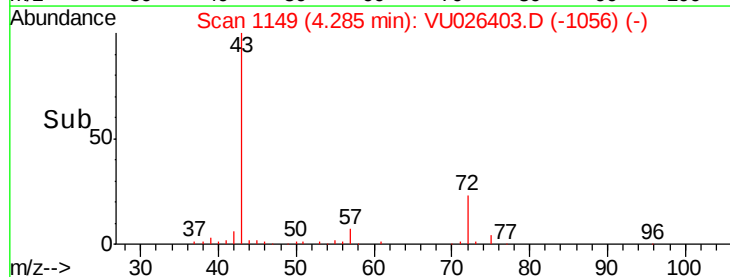
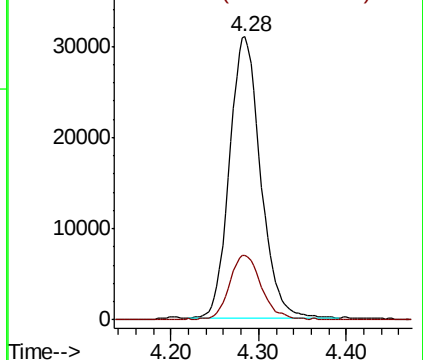


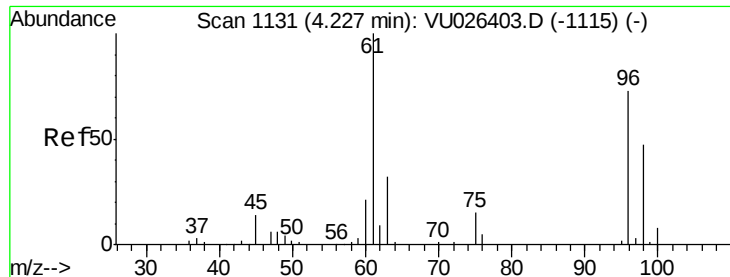
#21
 2-Butanone
 Concen: 50.886 ug/L
 RT: 4.28 min Scan# 1149
 Delta R.T. 0.00 min
 Lab File: VU026403.D
 Acq: 28 Aug 2018 16:54

Tgt Ion: 43 Resp: 75724
 Ion Ratio Lower Upper
 43 100
 72 22.7 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: 4.859 ug/L

RT: 4.23 min Scan# 1131

Delta R.T. 0.00 min

Lab File: VU026403.D

Acq: 28 Aug 2018 16:54

Instrument :
MSVOA_U
ClientSampleId :
VSTD00544

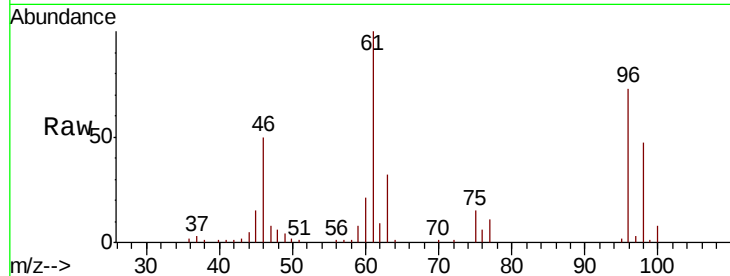
Tgt Ion: 96 Resp: 28088

Ion Ratio Lower Upper

96 100

61 137.0 95.9 178.1

68 0.0 0.0 0.0

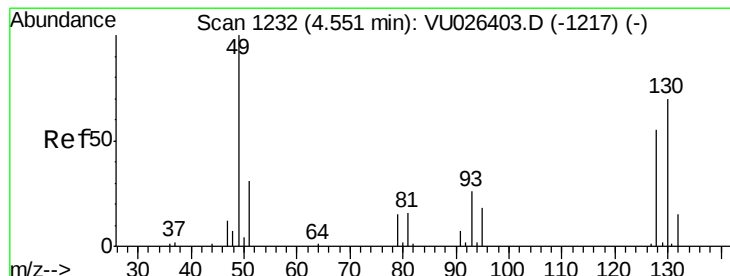
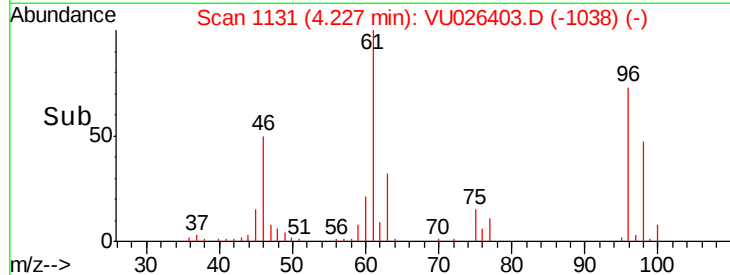
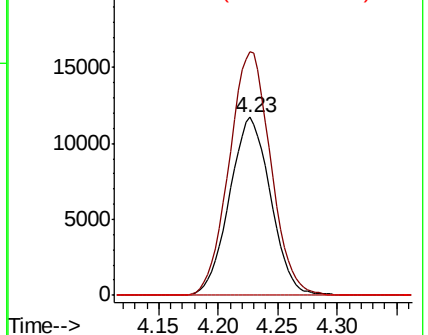


Abundance

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: 4.989 ug/L

RT: 4.55 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VU026403.D

Acq: 28 Aug 2018 16:54

Tgt Ion: 128 Resp: 11673

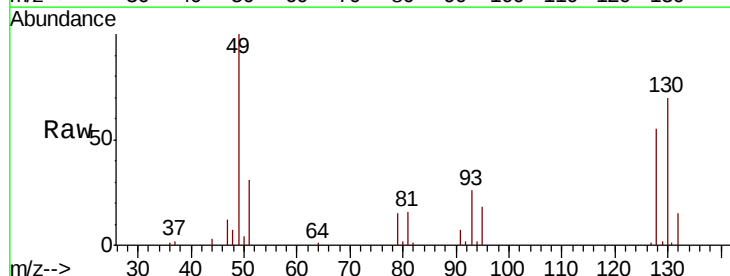
Ion Ratio Lower Upper

128 100

49 181.1 126.8 235.4

130 126.6 88.6 164.6

51 56.5 45.2 67.8



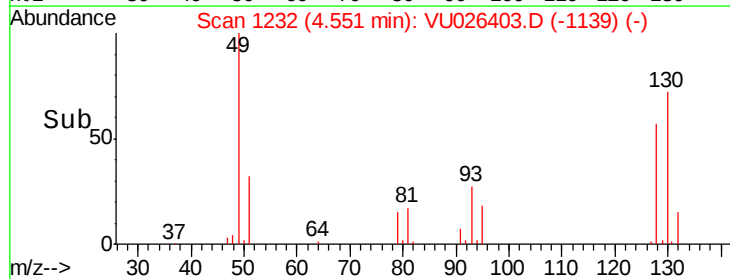
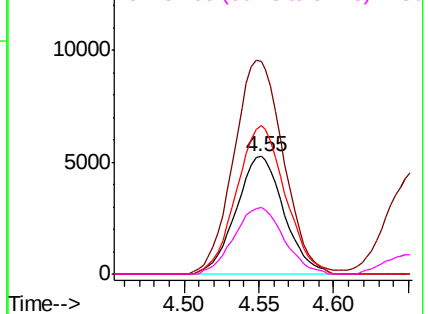
Abundance

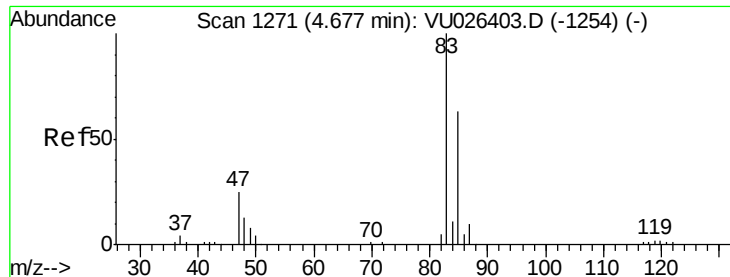
Ion 127.90 (127.60 to 128.60): V

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

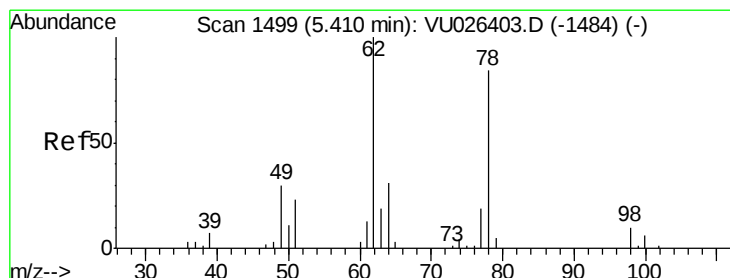
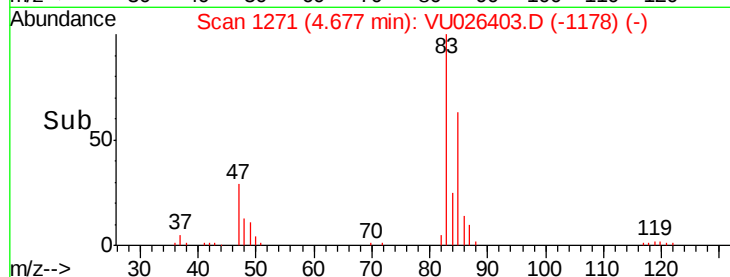
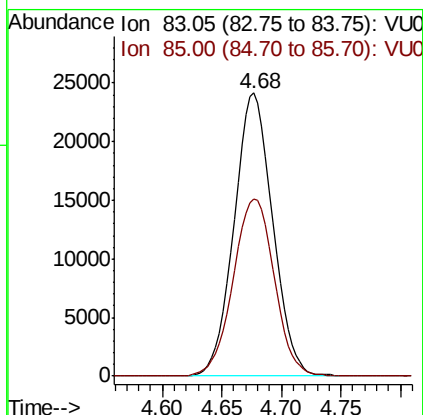
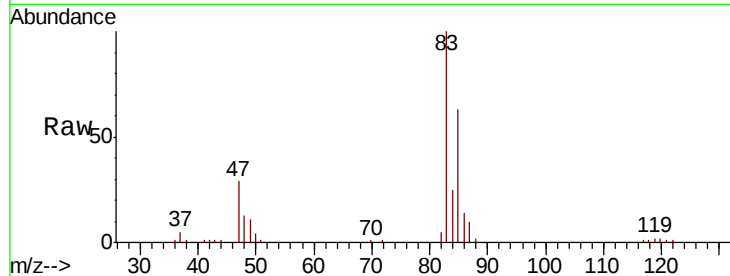




#25
Chloroform
Concen: 4.777 ug/L
RT: 4.68 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VU026403.D
Acq: 28 Aug 2018 16:54

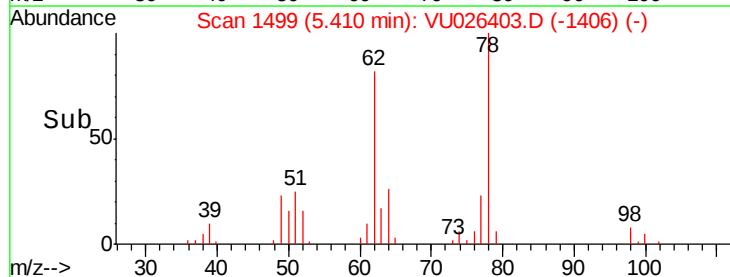
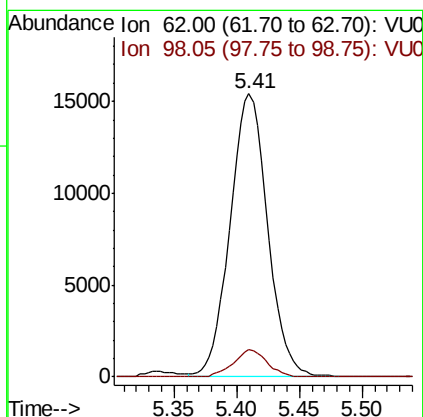
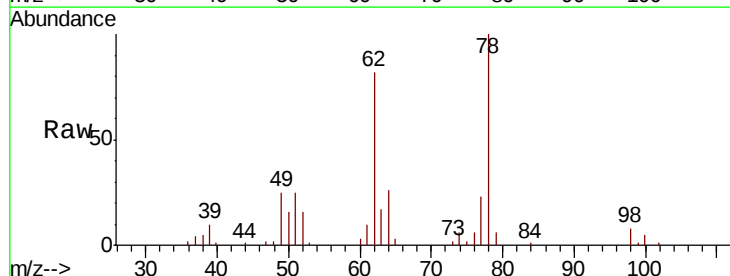
Instrument :
MSVOA_U
ClientSampleId :
VSTD00544

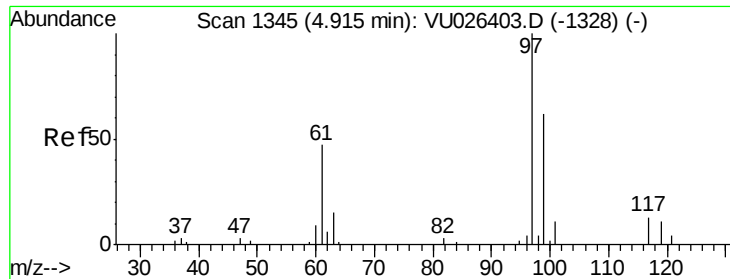
Tgt Ion: 83 Resp: 54371
Ion Ratio Lower Upper
83 100
85 62.6 43.8 81.4



#27
1,2-Dichloroethane
Concen: 5.067 ug/L
RT: 5.41 min Scan# 1499
Delta R.T. 0.00 min
Lab File: VU026403.D
Acq: 28 Aug 2018 16:54

Tgt Ion: 62 Resp: 32109
Ion Ratio Lower Upper
62 100
98 9.5 7.6 11.4

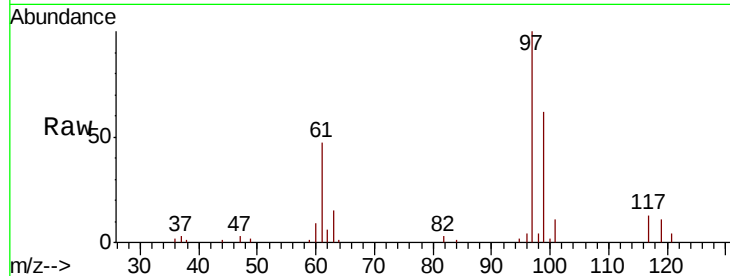




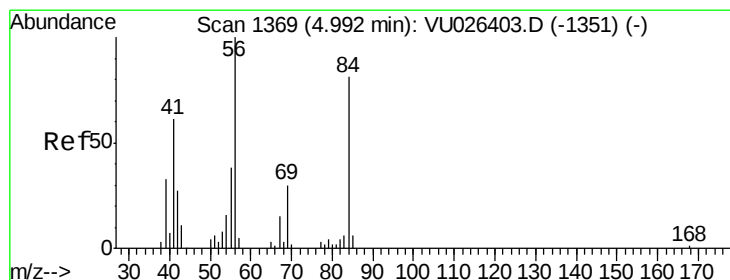
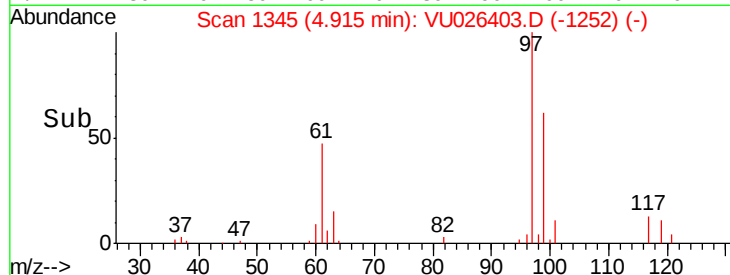
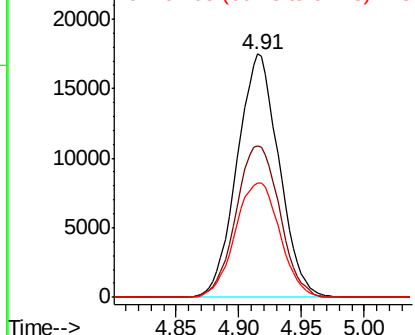
#29
 1,1,1-Trichloroethane
 Concen: 5.064 ug/L
 RT: 4.91 min Scan# 1345
 Delta R.T. 0.00 min
 Lab File: VU026403.D
 Acq: 28 Aug 2018 16:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00544

Tgt Ion: 97 Resp: 40693
 Ion Ratio Lower Upper
 97 100
 99 64.8 51.8 77.8
 61 50.1 40.1 60.1

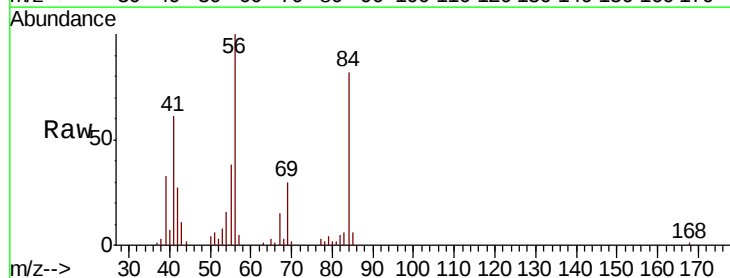


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

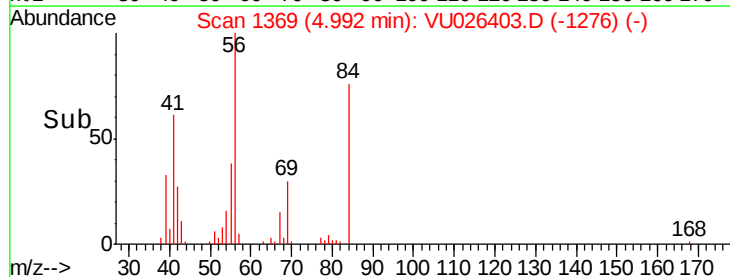
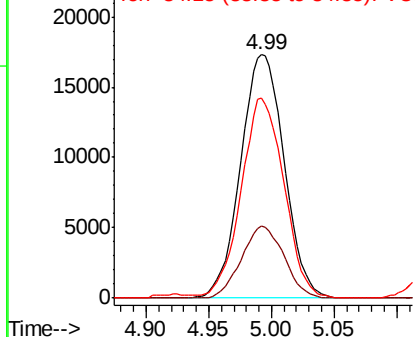


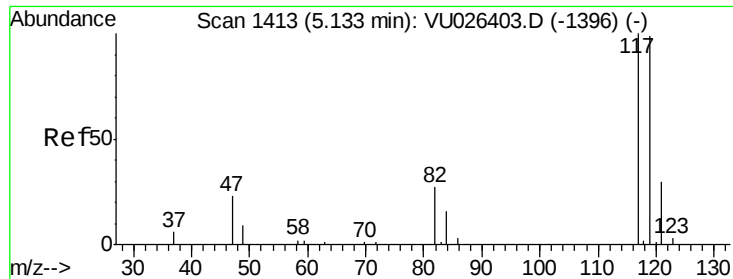
#30
 Cyclohexane
 Concen: 5.082 ug/L
 RT: 4.99 min Scan# 1369
 Delta R.T. 0.00 min
 Lab File: VU026403.D
 Acq: 28 Aug 2018 16:54

Tgt Ion: 56 Resp: 41763
 Ion Ratio Lower Upper
 56 100
 69 28.9 23.1 34.7
 84 81.0 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: 5.035 ug/L

RT: 5.13 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VU026403.D

Acq: 28 Aug 2018 16:54

Instrument :

MSVOA_U

ClientSampleId :

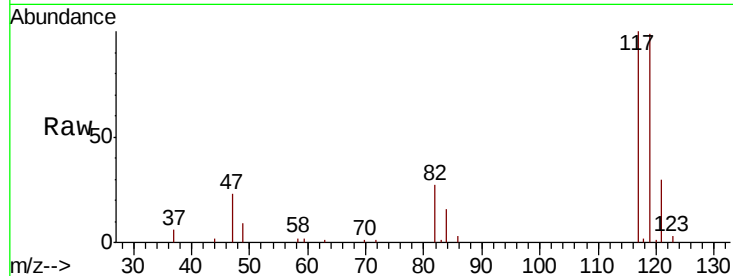
VSTD00544

Tgt Ion:117 Resp: 36491

Ion Ratio Lower Upper

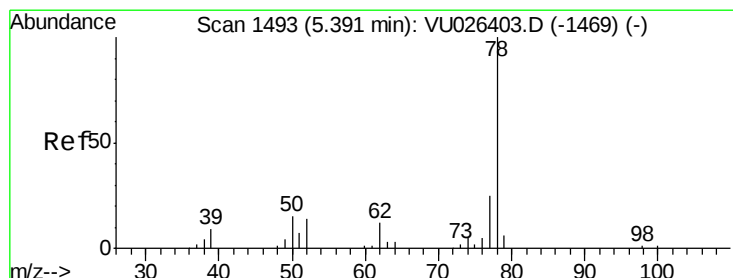
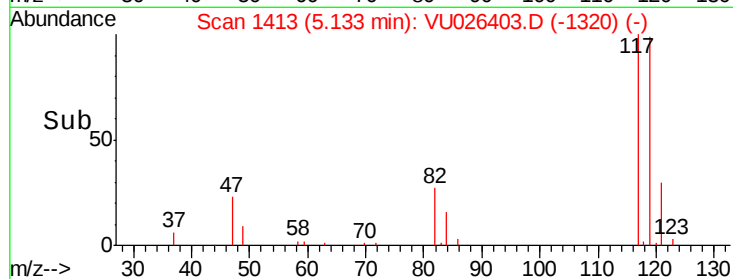
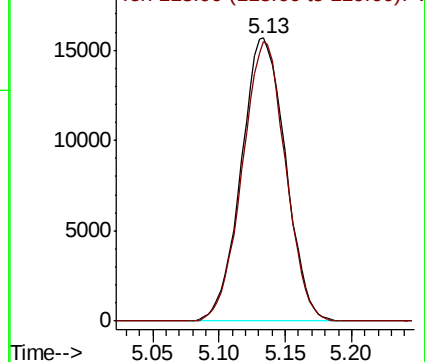
117 100

119 95.9 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: 5.111 ug/L

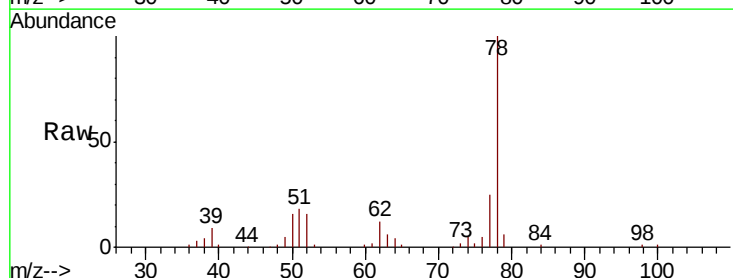
RT: 5.39 min Scan# 1493

Delta R.T. 0.00 min

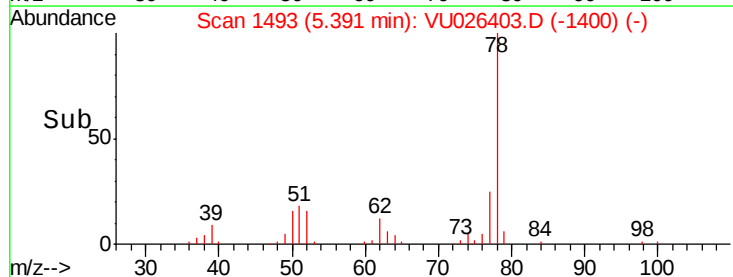
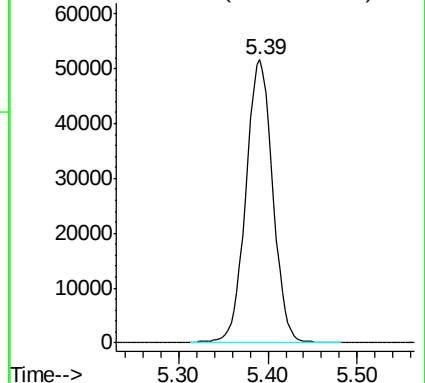
Lab File: VU026403.D

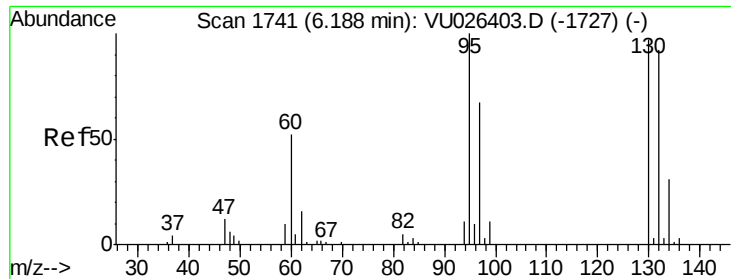
Acq: 28 Aug 2018 16:54

Tgt Ion: 78 Resp: 108535



Abundance Ion 78.10 (77.80 to 78.80): VU0

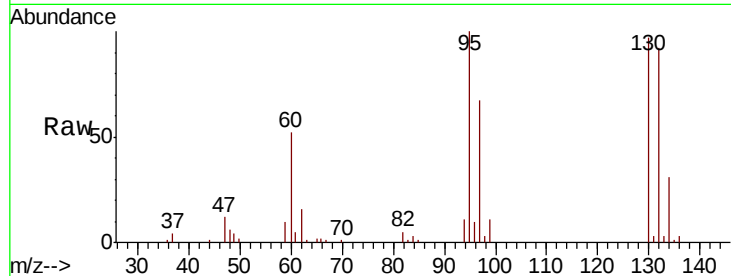




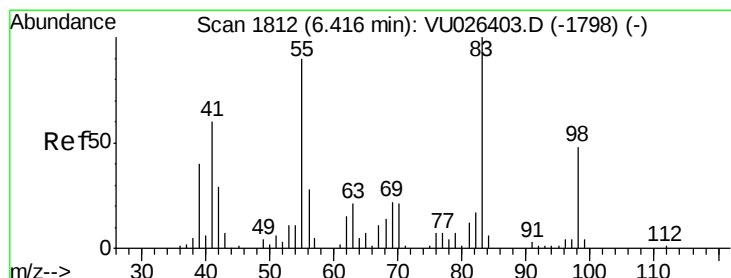
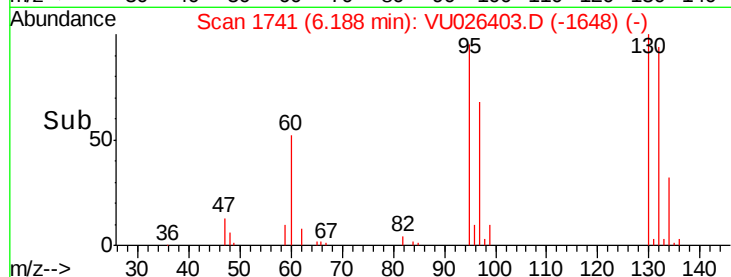
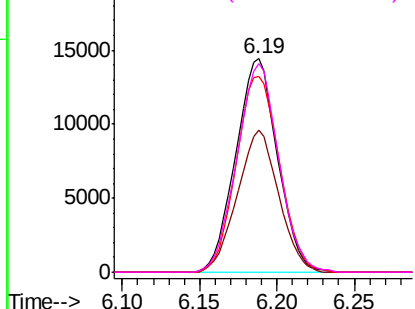
#34
 Trichloroethene
 Concen: 4.719 ug/L
 RT: 6.19 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VU026403.D
 Acq: 28 Aug 2018 16:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00544

Tgt Ion: 95 Resp: 27063
 Ion Ratio Lower Upper
 95 100
 97 66.6 46.6 86.6
 132 91.7 64.2 119.2
 130 97.4 68.2 126.6

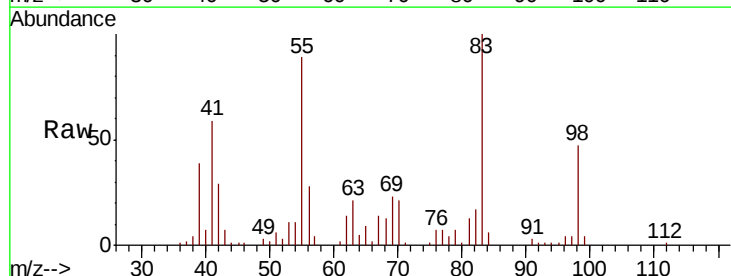


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

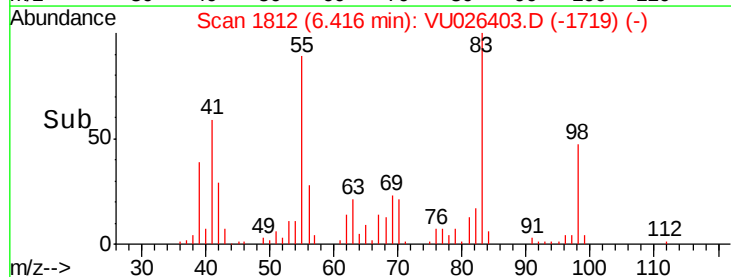
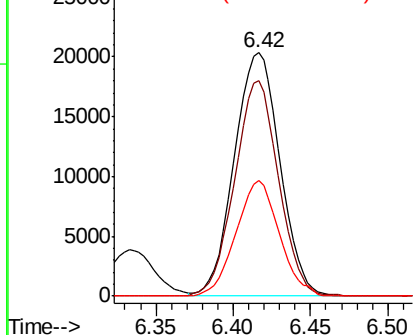


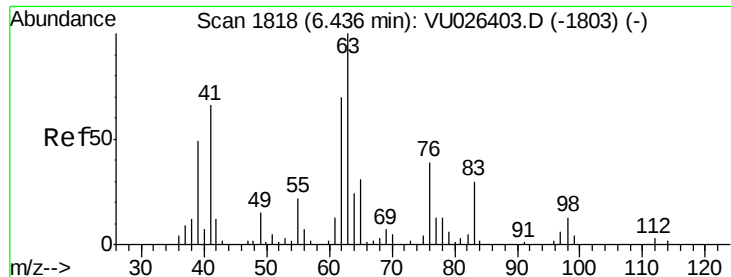
#35
 Methylcyclohexane
 Concen: 5.123 ug/L
 RT: 6.42 min Scan# 1812
 Delta R.T. 0.00 min
 Lab File: VU026403.D
 Acq: 28 Aug 2018 16:54

Tgt Ion: 83 Resp: 41787
 Ion Ratio Lower Upper
 83 100
 55 85.1 68.1 102.1
 98 45.0 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

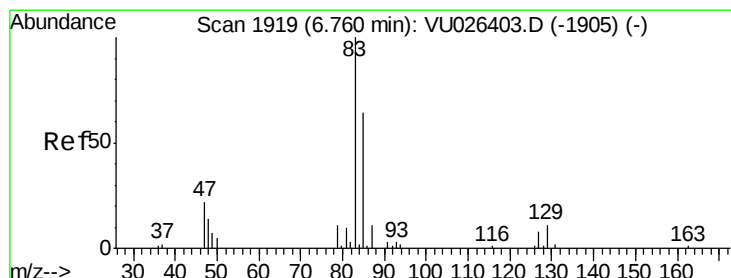
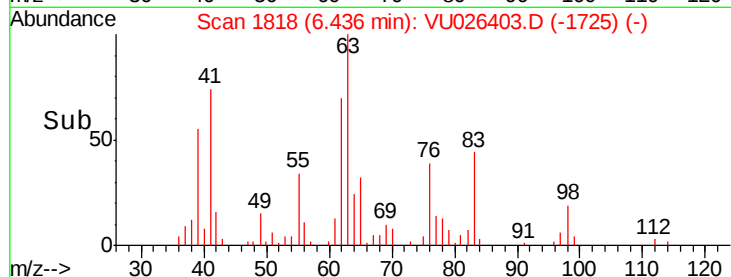
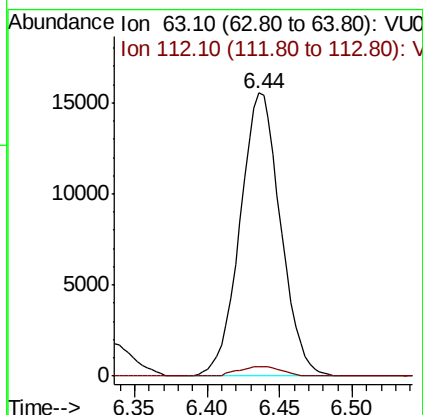
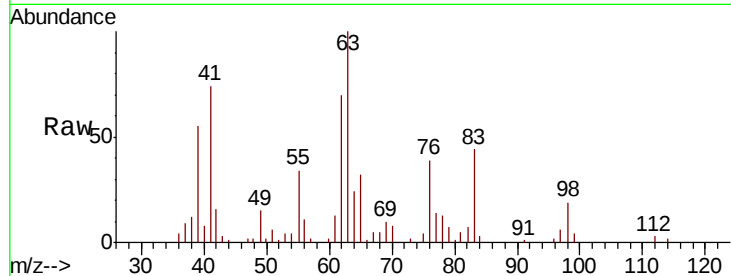




#37
 1,2-Dichloropropane
 Concen: 5.130 ug/L
 RT: 6.44 min Scan# 1818
 Delta R.T. 0.00 min
 Lab File: VU026403.D
 Acq: 28 Aug 2018 16:54

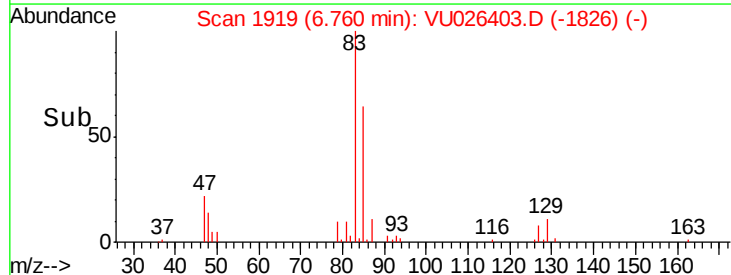
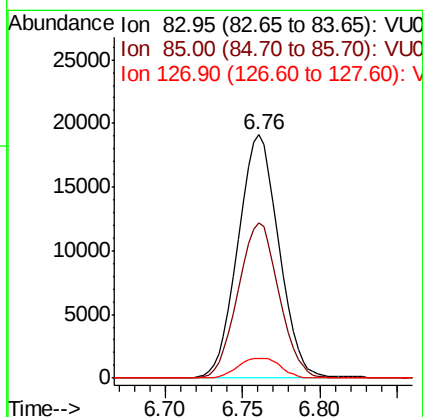
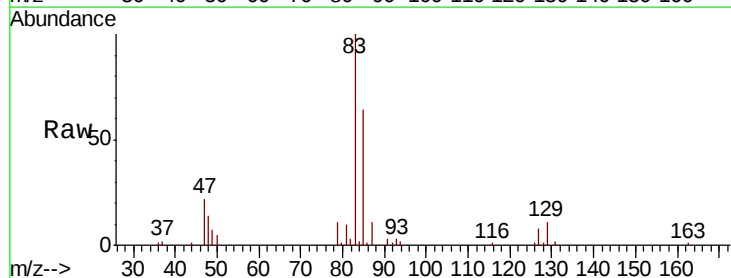
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00544

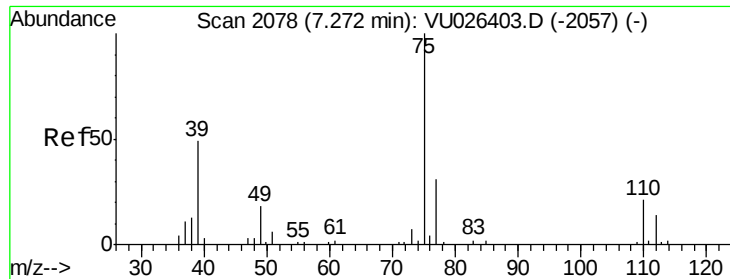
Tgt Ion: 63 Resp: 30206
 Ion Ratio Lower Upper
 63 100
 112 3.6 2.9 4.3



#38
 Bromodichloromethane
 Concen: 5.081 ug/L
 RT: 6.76 min Scan# 1919
 Delta R.T. 0.00 min
 Lab File: VU026403.D
 Acq: 28 Aug 2018 16:54

Tgt Ion: 83 Resp: 35168
 Ion Ratio Lower Upper
 83 100
 85 63.9 44.7 83.1
 127 8.3 6.6 10.0

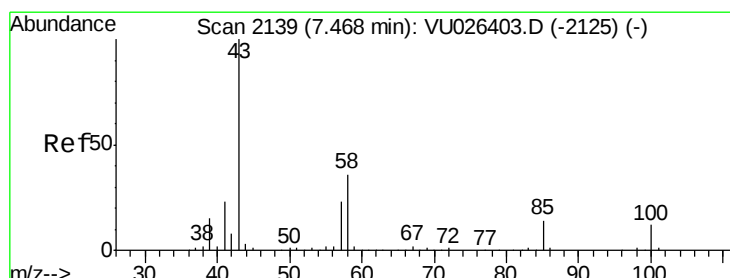
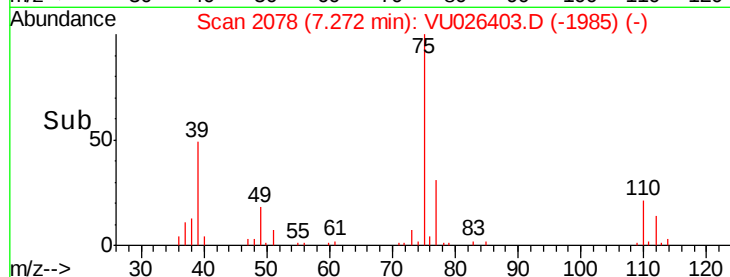
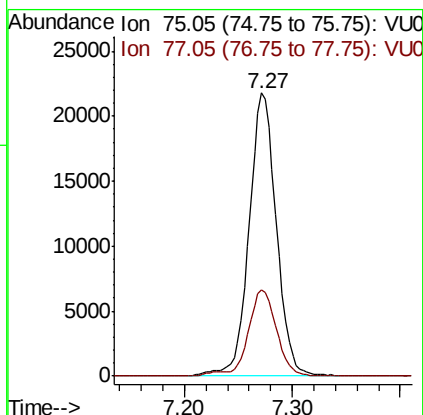
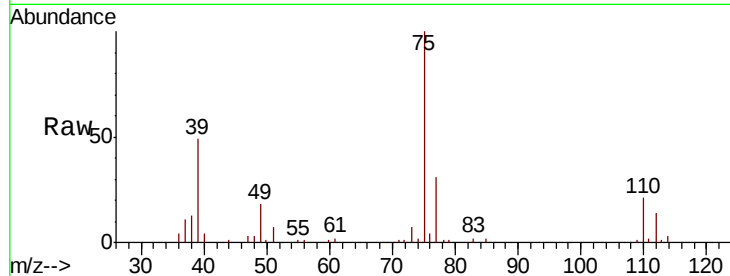




#39
 cis-1,3-Dichloropropene
 Concen: 5.109 ug/L
 RT: 7.27 min Scan# 2078
 Delta R.T. 0.00 min
 Lab File: VU026403.D
 Acq: 28 Aug 2018 16:54

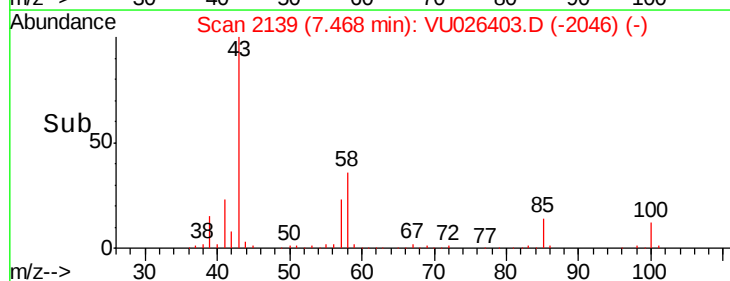
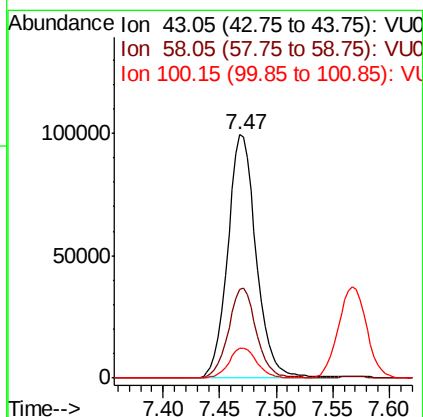
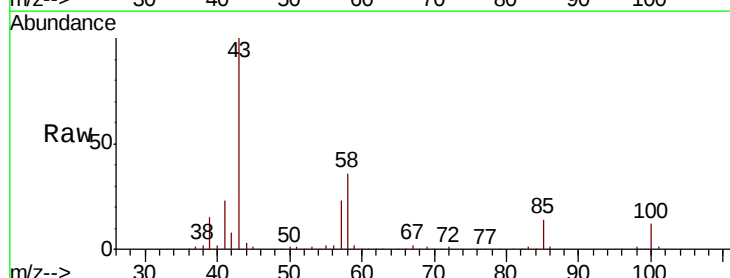
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00544

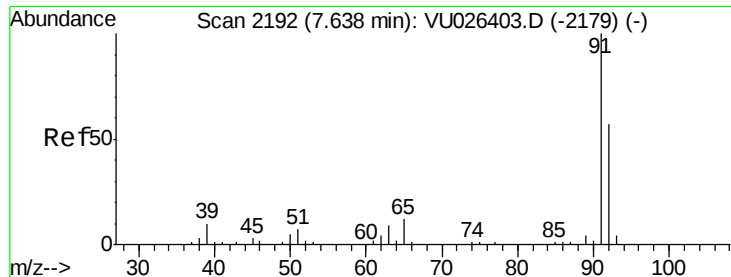
Tgt Ion: 75 Resp: 38208
 Ion Ratio Lower Upper
 75 100
 77 30.5 21.3 39.6



#40
 4-Methyl-2-pentanone
 Concen: 52.625 ug/L
 RT: 7.47 min Scan# 2139
 Delta R.T. 0.00 min
 Lab File: VU026403.D
 Acq: 28 Aug 2018 16:54

Tgt Ion: 43 Resp: 174479
 Ion Ratio Lower Upper
 43 100
 58 36.6 29.3 43.9
 100 12.3 9.8 14.8





#42

Toluene

Concen: 5.210 ug/L

RT: 7.64 min Scan# 2192

Delta R.T. 0.00 min

Lab File: VU026403.D

Acq: 28 Aug 2018 16:54

Instrument :

MSVOA_U

ClientSampleId :

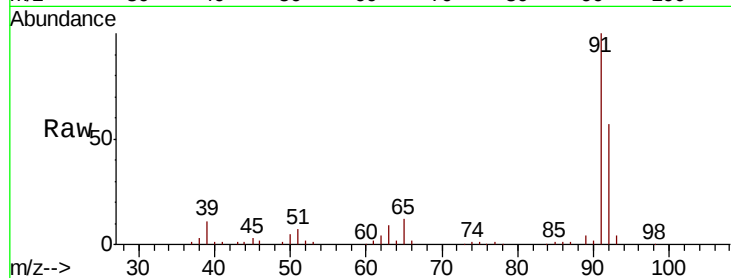
VSTD00544

Tgt Ion: 91 Resp: 112751

Ion Ratio Lower Upper

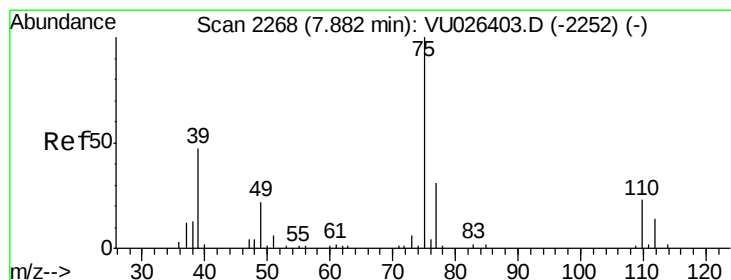
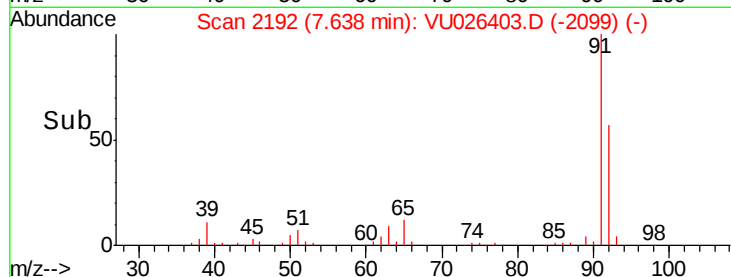
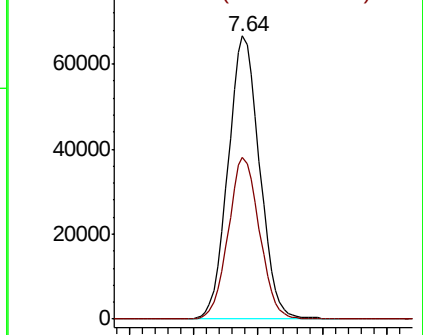
91 100

92 57.0 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: 5.168 ug/L

RT: 7.88 min Scan# 2268

Delta R.T. 0.00 min

Lab File: VU026403.D

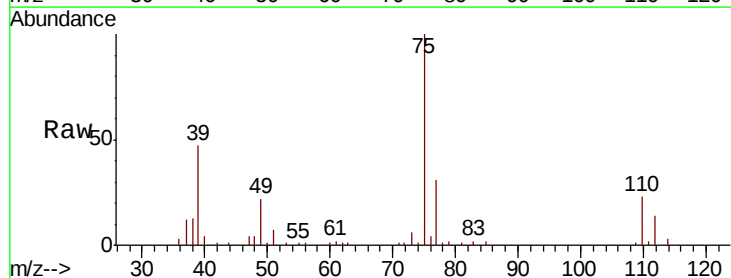
Acq: 28 Aug 2018 16:54

Tgt Ion: 75 Resp: 31840

Ion Ratio Lower Upper

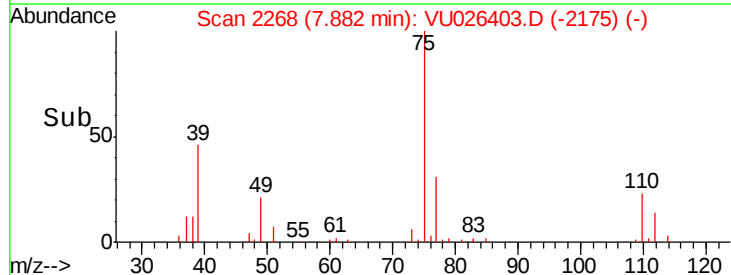
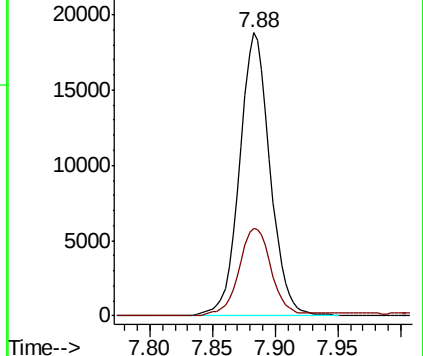
75 100

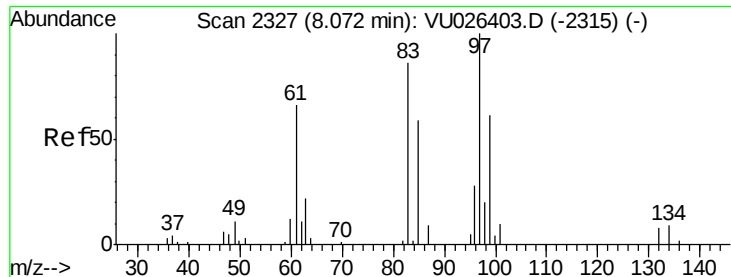
77 31.0 21.7 40.3



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

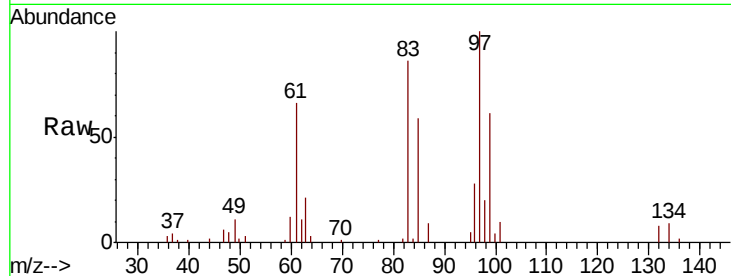




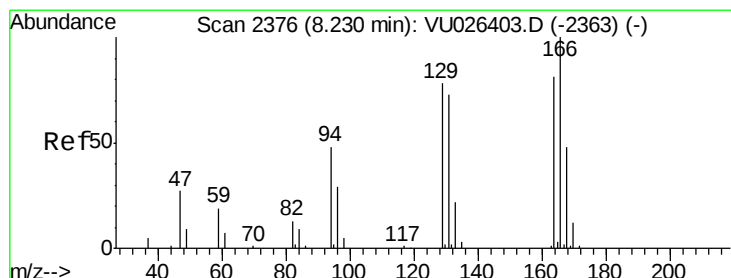
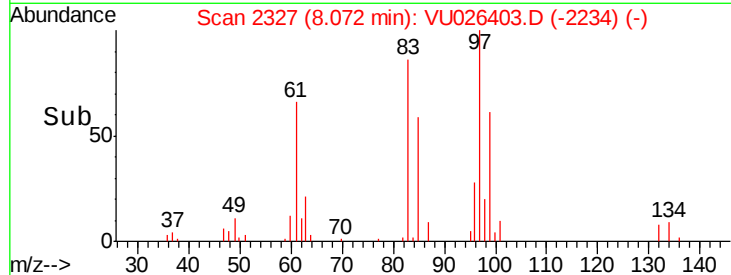
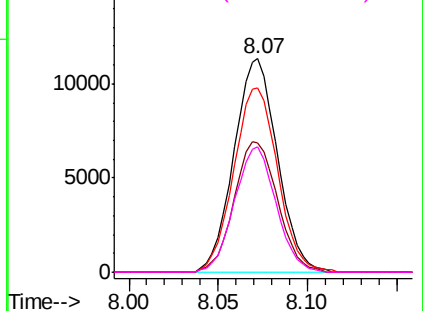
#45
 1,1,2-Trichloroethane
 Concen: 5.204 ug/L
 RT: 8.07 min Scan# 2327
 Delta R.T. 0.00 min
 Lab File: VU026403.D
 Acq: 28 Aug 2018 16:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00544

Tgt Ion:	97	Resp:	19223
Ion	Ratio	Lower	Upper
97	100		
99	60.6	42.4	78.8
83	86.5	60.5	112.5
85	58.5	40.9	76.0

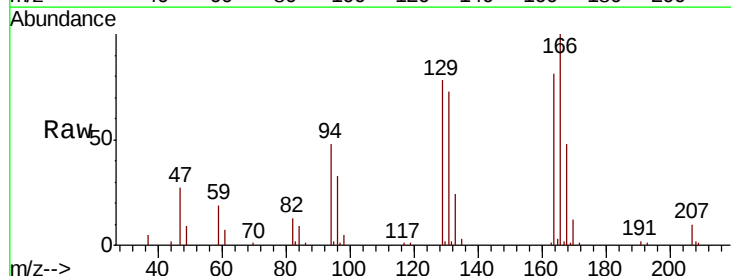


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

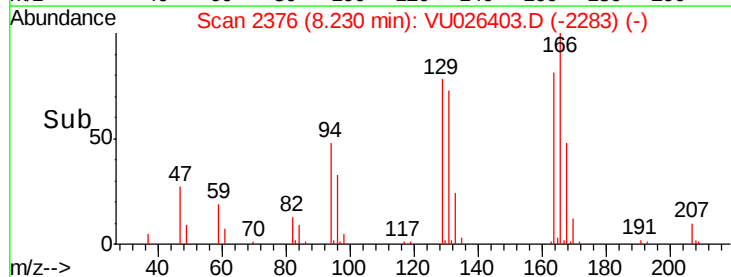
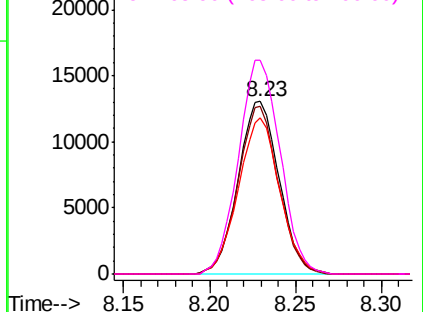


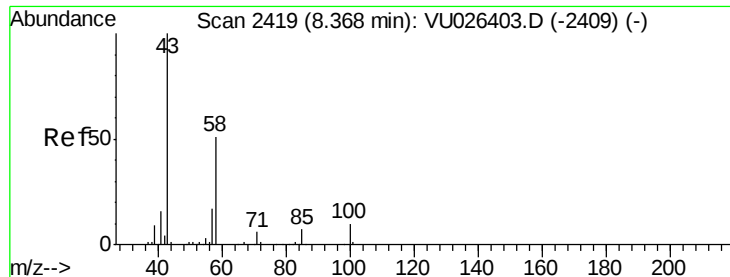
#47
 Tetrachloroethene
 Concen: 5.011 ug/L
 RT: 8.23 min Scan# 2376
 Delta R.T. 0.00 min
 Lab File: VU026403.D
 Acq: 28 Aug 2018 16:54

Tgt Ion:	164	Resp:	21616
Ion	Ratio	Lower	Upper
164	100		
129	96.9	67.8	126.0
131	90.2	63.1	117.3
166	123.6	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

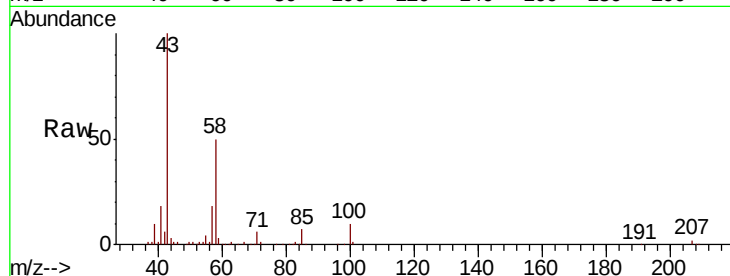




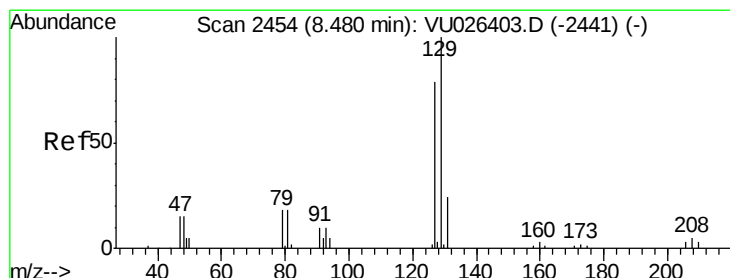
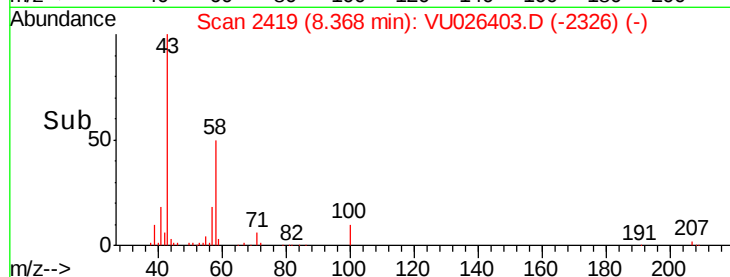
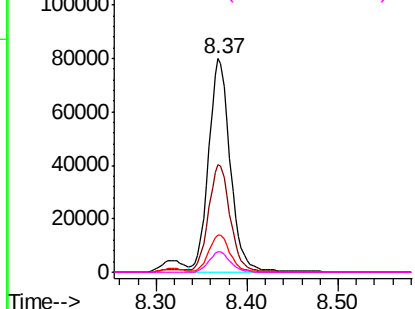
#48
2-Hexanone
Concen: 53.690 ug/L
RT: 8.37 min Scan# 2419
Delta R.T. 0.00 min
Lab File: VU026403.D
Acq: 28 Aug 2018 16:54

Instrument :
MSVOA_U
ClientSampleId :
VSTD00544

Tgt Ion: 43 Resp: 131827
Ion Ratio Lower Upper
43 100
58 50.6 40.5 60.7
57 17.5 14.0 21.0
100 9.5 7.6 11.4

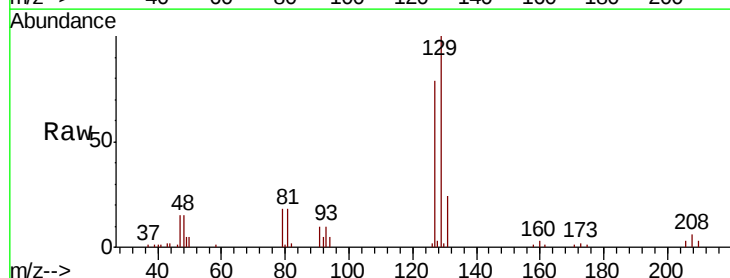


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

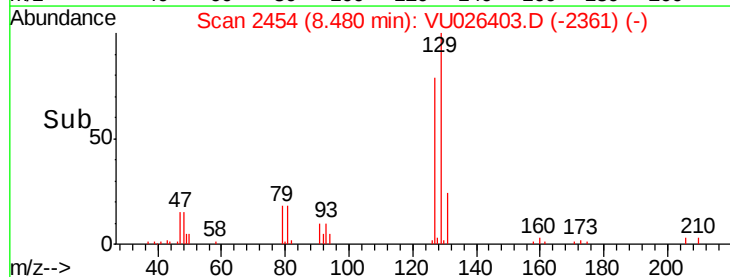
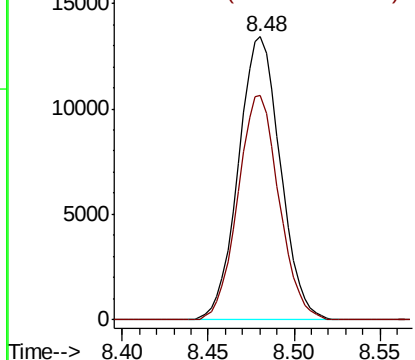


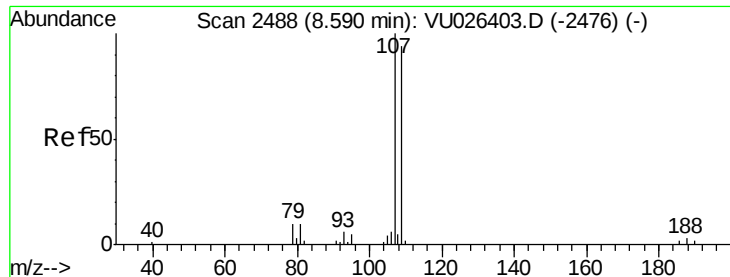
#49
Dibromochloromethane
Concen: 5.051 ug/L
RT: 8.48 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VU026403.D
Acq: 28 Aug 2018 16:54

Tgt Ion: 129 Resp: 22751
Ion Ratio Lower Upper
129 100
127 79.4 55.6 103.2



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

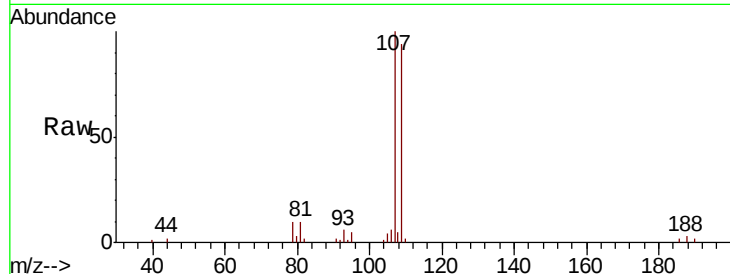




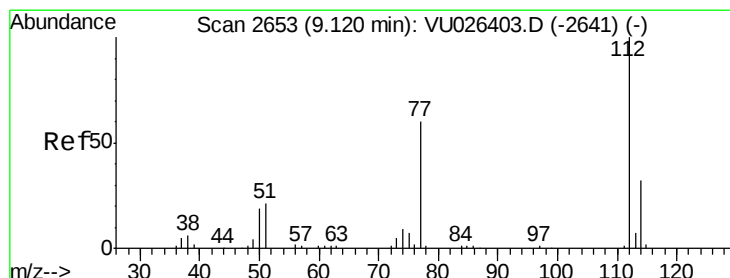
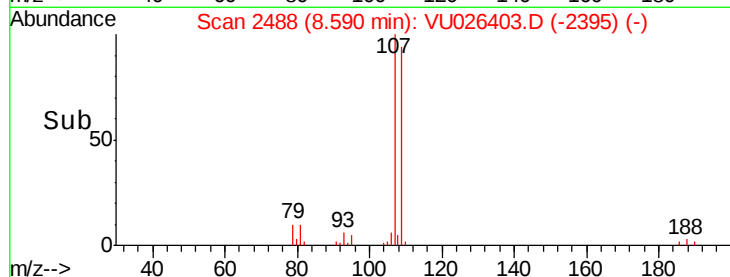
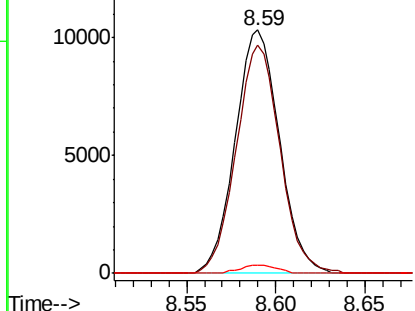
#50
1,2-Dibromoethane
Concen: 5.100 ug/L
RT: 8.59 min Scan# 2488
Delta R.T. 0.00 min
Lab File: VU026403.D
Acq: 28 Aug 2018 16:54

Instrument :
MSVOA_U
ClientSampleId :
VSTD00544

Tgt Ion:107 Resp: 17815
Ion Ratio Lower Upper
107 100
109 93.8 65.7 121.9
188 3.4 2.7 4.1

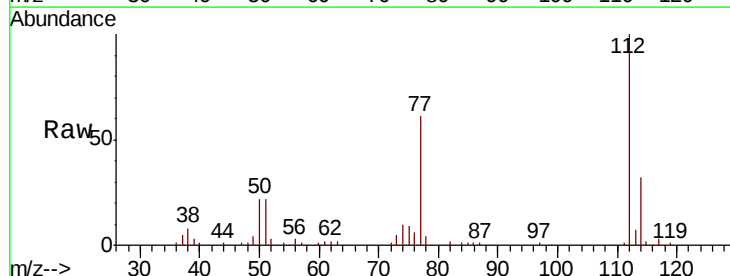


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

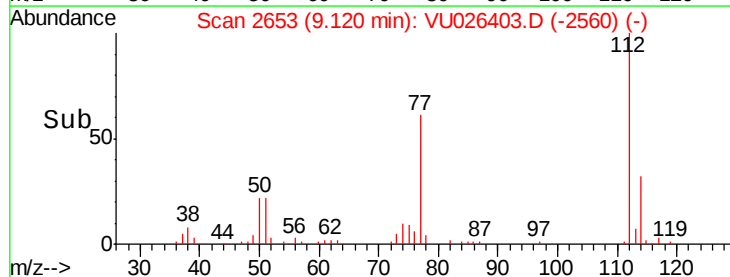
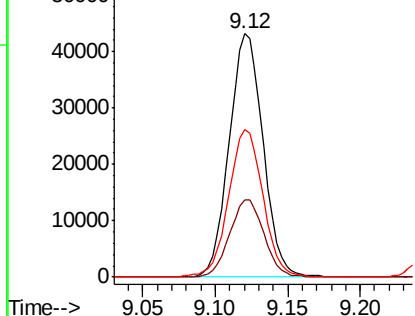


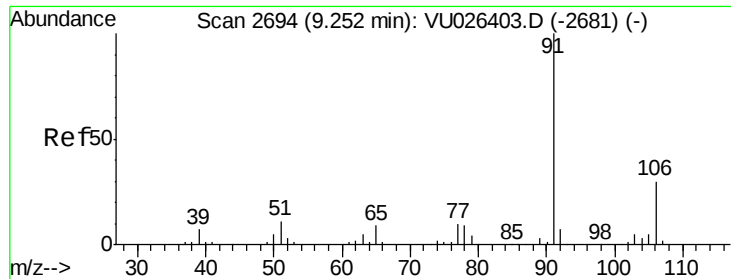
#51
Chlorobenzene
Concen: 4.996 ug/L
RT: 9.12 min Scan# 2653
Delta R.T. 0.00 min
Lab File: VU026403.D
Acq: 28 Aug 2018 16:54

Tgt Ion:112 Resp: 70134
Ion Ratio Lower Upper
112 100
114 31.8 22.3 41.3
77 60.5 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): VU





#52

Ethylbenzene

Concen: 5.117 ug/L

RT: 9.25 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VU026403.D

Acq: 28 Aug 2018 16:54

Instrument :

MSVOA_U

ClientSampleId :

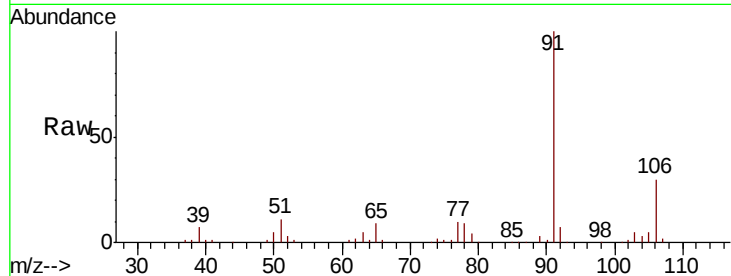
VSTD00544

Tgt Ion: 91 Resp: 117353

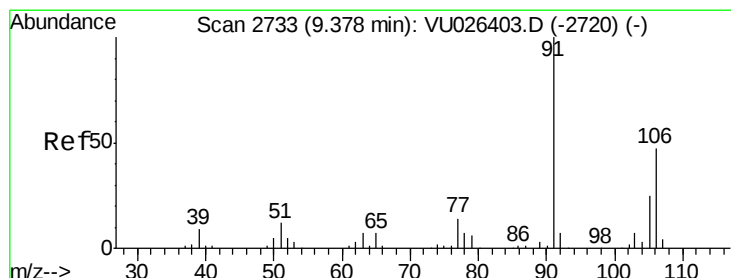
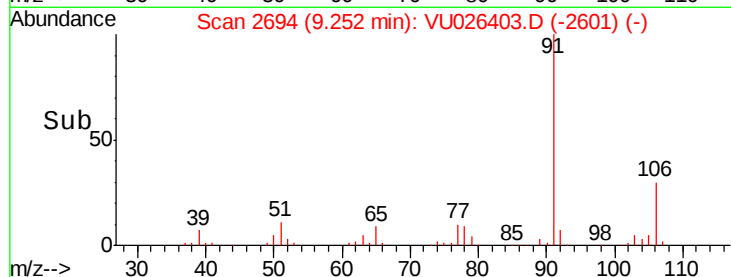
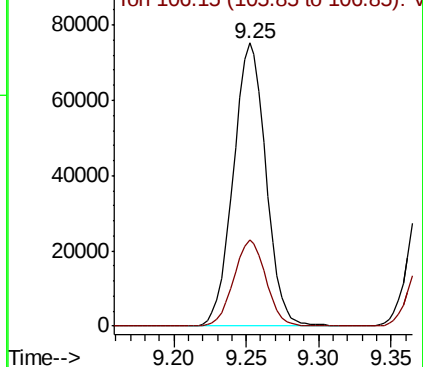
Ion Ratio Lower Upper

91 100

106 30.3 21.2 39.4



Abundance Ion 91.15 (90.85 to 91.85): VU026403.D (-2681) (-)



#53

m,p-xylene

Concen: 5.226 ug/L

RT: 9.38 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU026403.D

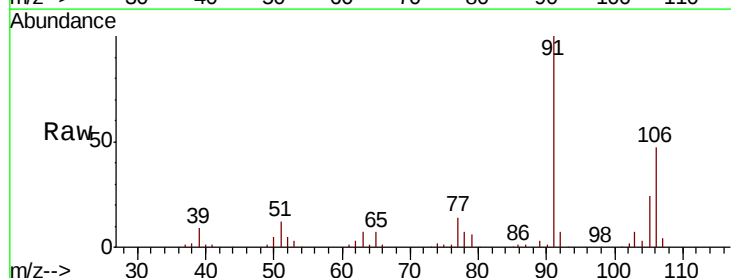
Acq: 28 Aug 2018 16:54

Tgt Ion: 106 Resp: 44086

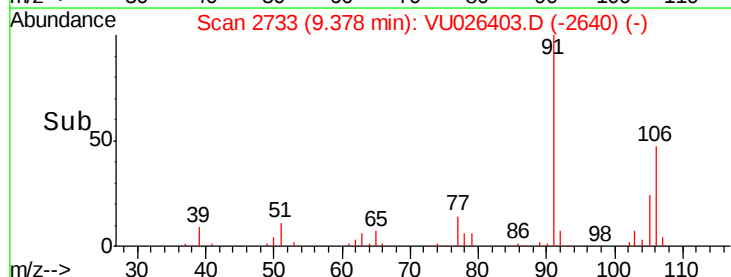
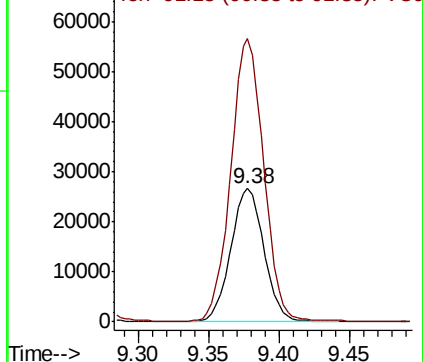
Ion Ratio Lower Upper

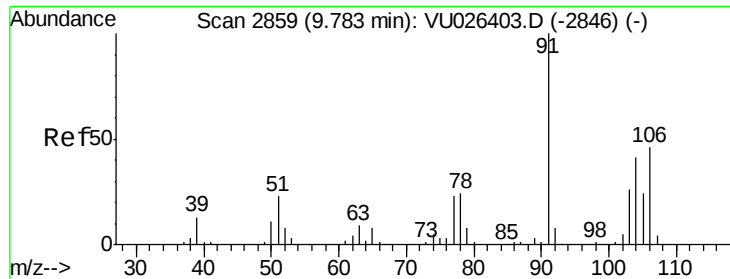
106 100

91 212.0 148.4 275.6



Abundance Ion 106.15 (105.85 to 106.85): VU026403.D (-2720) (-)





#54

o-xylene

Concen: 5.239 ug/L

RT: 9.78 min Scan# 2859

Delta R.T. 0.00 min

Lab File: VU026403.D

Acq: 28 Aug 2018 16:54

Instrument :

MSVOA_U

ClientSampleId :

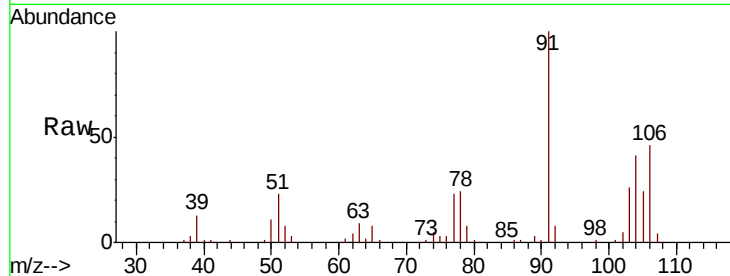
VSTD00544

Tgt Ion:106 Resp: 41810

Ion Ratio Lower Upper

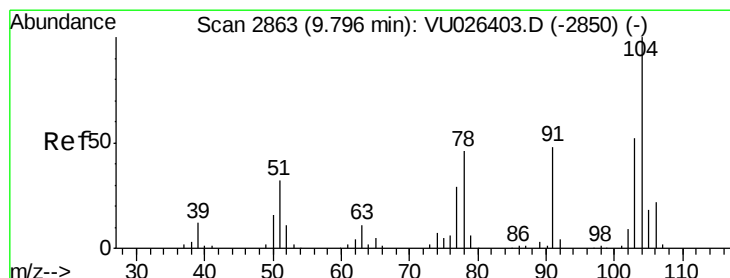
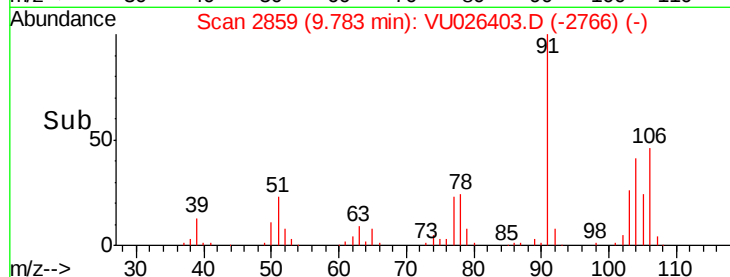
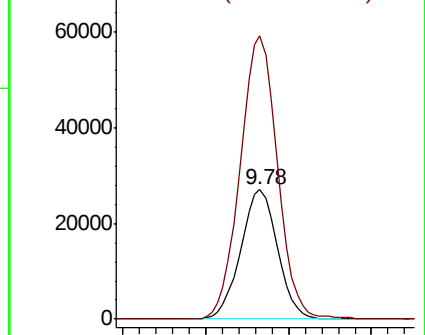
106 100

91 218.4 152.9 283.9



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#55

Styrene

Concen: 5.385 ug/L

RT: 9.80 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VU026403.D

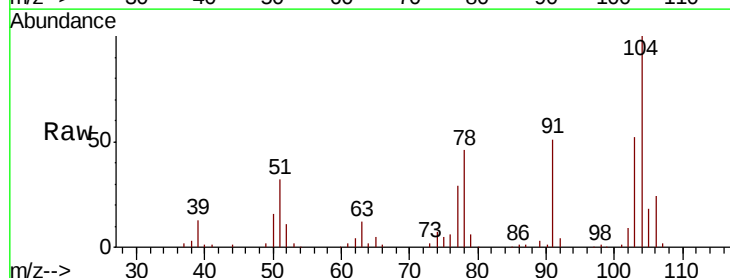
Acq: 28 Aug 2018 16:54

Tgt Ion:104 Resp: 75274

Ion Ratio Lower Upper

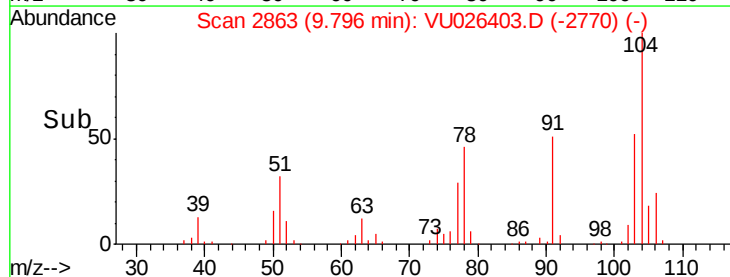
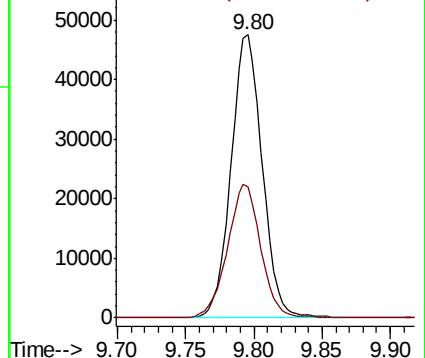
104 100

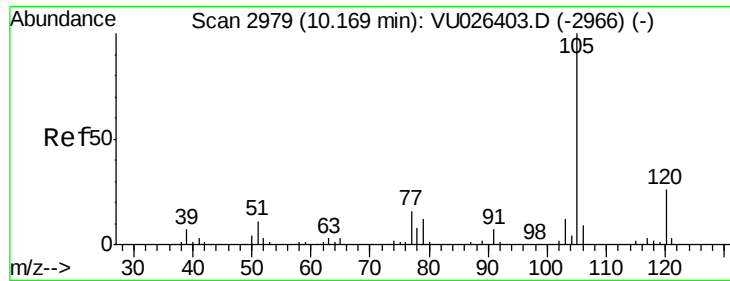
78 46.3 32.4 60.2



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 5.209 ug/L

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU026403.D

Acq: 28 Aug 2018 16:54

Instrument :

MSVOA_U

ClientSampleId :

VSTD00544

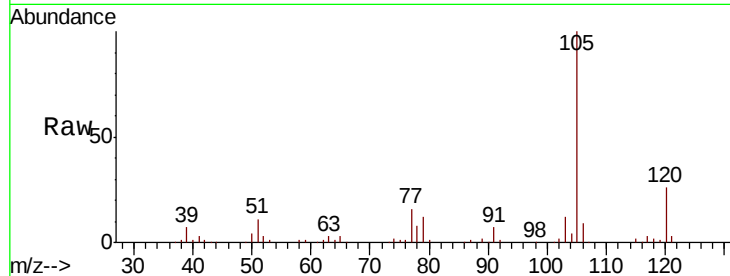
Tgt Ion: 105 Resp: 110566

Ion Ratio Lower Upper

105 100

120 26.0 20.8 31.2

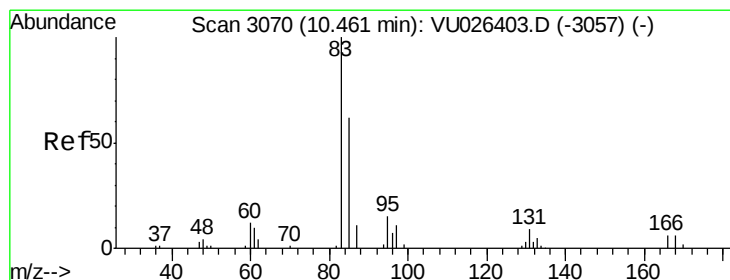
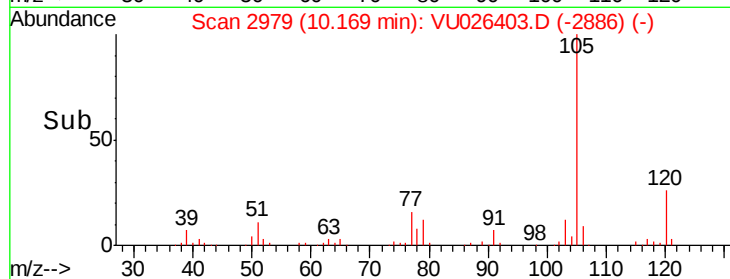
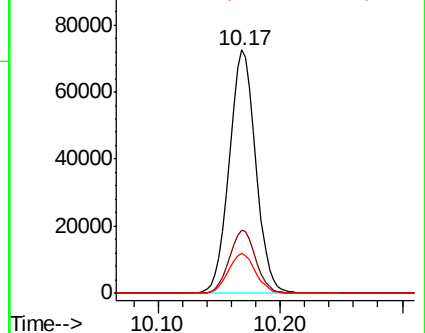
77 16.8 13.4 20.2



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: 5.090 ug/L

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU026403.D

Acq: 28 Aug 2018 16:54

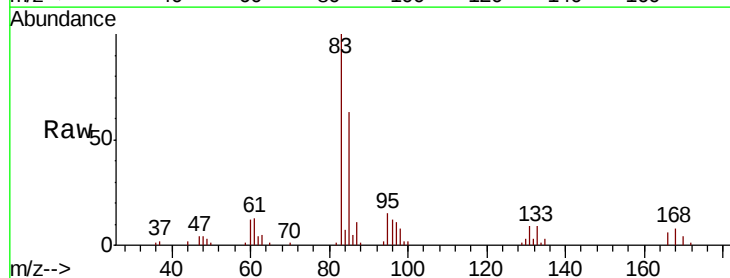
Tgt Ion: 83 Resp: 24640

Ion Ratio Lower Upper

83 100

85 63.0 44.1 81.9

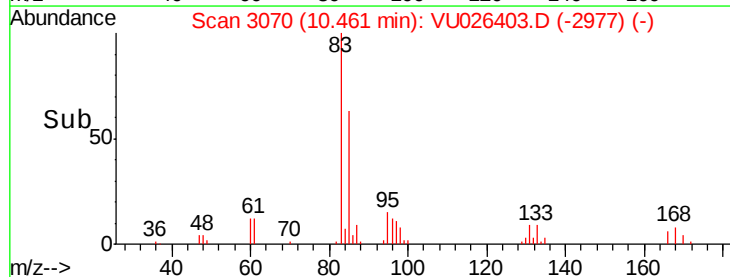
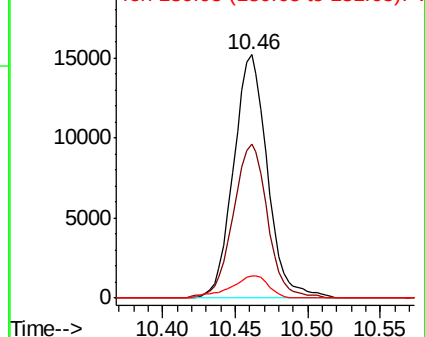
131 9.1 7.3 10.9

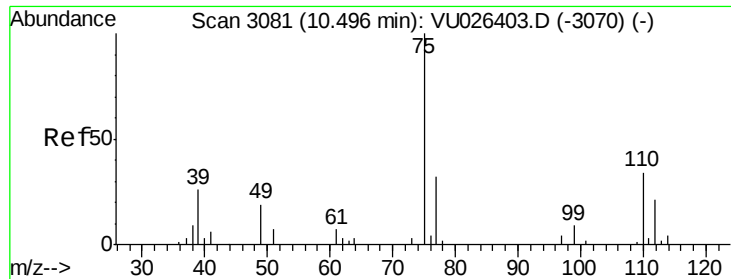


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

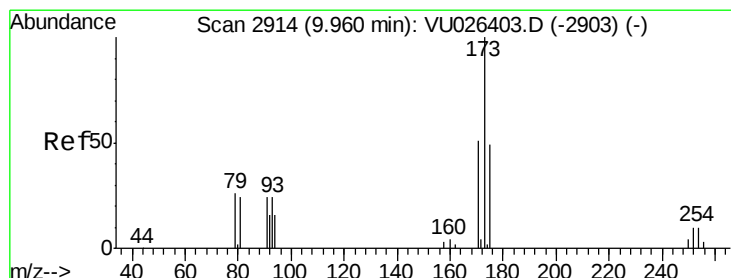
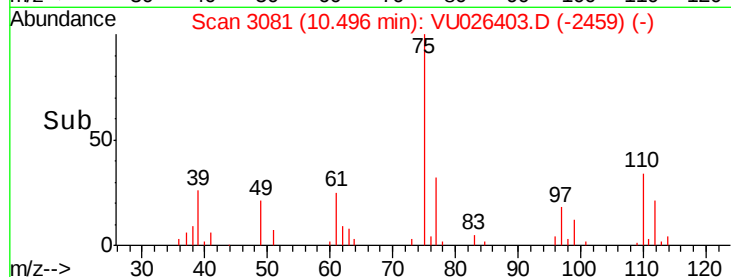
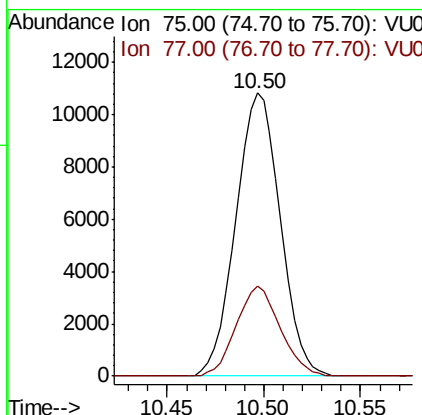
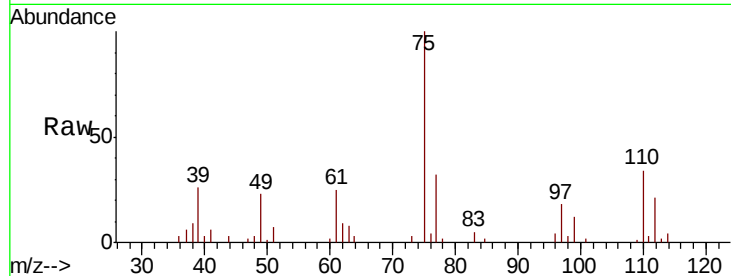




#59
 1,2,3-Trichloropropane
 Concen: 5.087 ug/L
 RT: 10.50 min Scan# 3081
 Delta R.T. 0.00 min
 Lab File: VU026403.D
 Acq: 28 Aug 2018 16:54

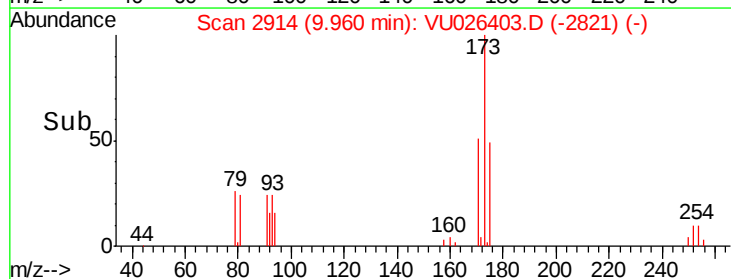
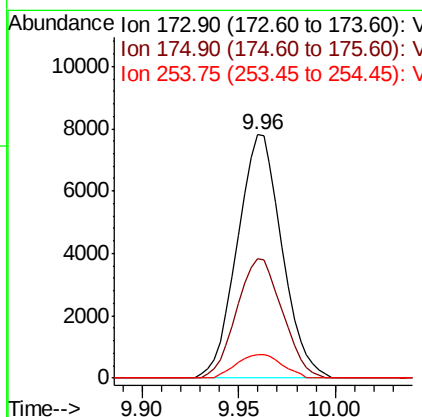
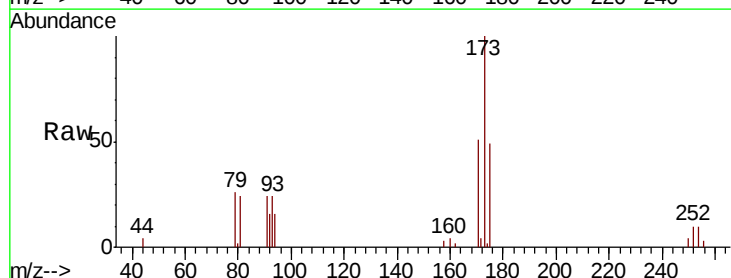
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00544

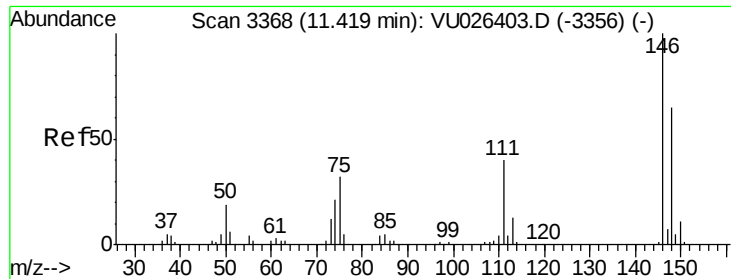
Tgt Ion: 75 Resp: 17307
 Ion Ratio Lower Upper
 75 100
 77 31.2 25.0 37.4



#61
 Bromoform
 Concen: 4.995 ug/L
 RT: 9.96 min Scan# 2914
 Delta R.T. 0.00 min
 Lab File: VU026403.D
 Acq: 28 Aug 2018 16:54

Tgt Ion: 173 Resp: 12554
 Ion Ratio Lower Upper
 173 100
 175 50.0 40.0 60.0
 254 9.9 7.9 11.9





#62

1,3-Dichlorobenzene

Concen: 5.058 ug/L

RT: 11.42 min Scan# 3368

Delta R.T. 0.00 min

Lab File: VU026403.D

Acq: 28 Aug 2018 16:54

Instrument :

MSVOA_U

ClientSampleId :

VSTD00544

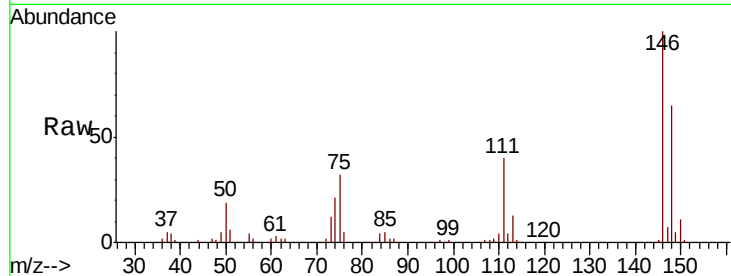
Tgt Ion:146 Resp: 51773

Ion Ratio Lower Upper

146 100

111 40.1 28.1 52.1

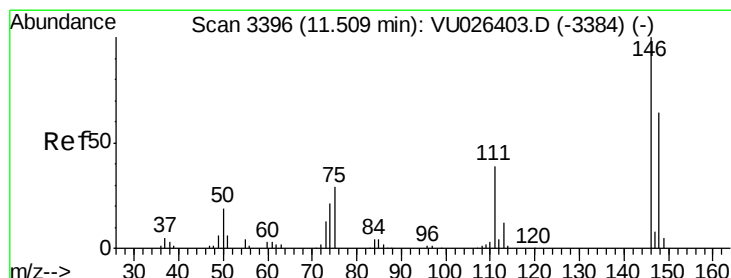
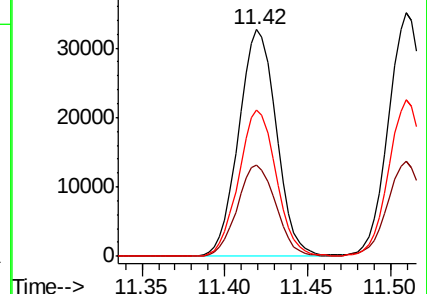
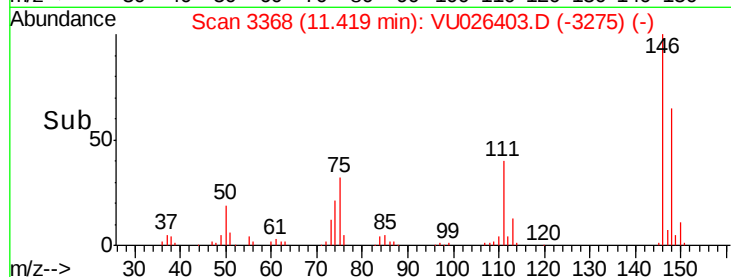
148 64.9 45.4 84.4



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: 5.042 ug/L

RT: 11.51 min Scan# 3396

Delta R.T. 0.00 min

Lab File: VU026403.D

Acq: 28 Aug 2018 16:54

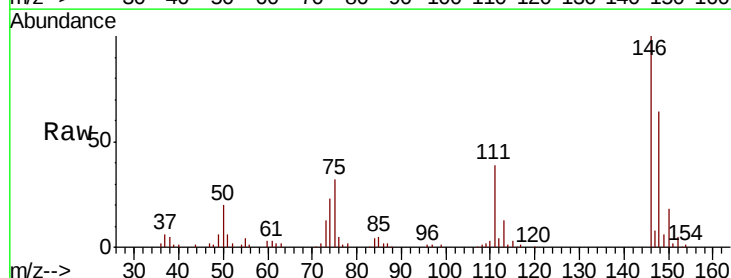
Tgt Ion:146 Resp: 54278

Ion Ratio Lower Upper

146 100

111 38.8 27.2 50.4

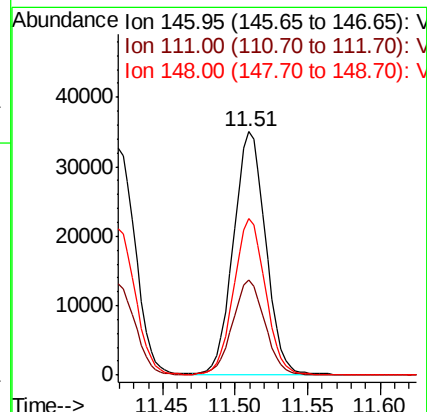
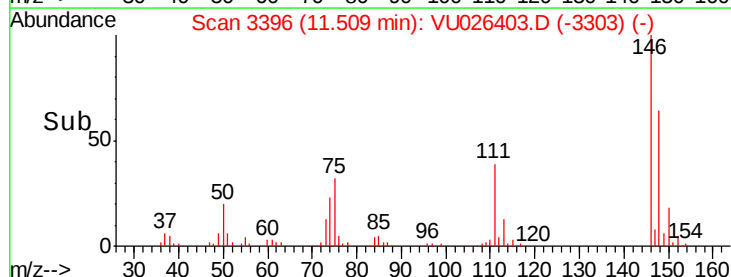
148 64.2 44.9 83.5

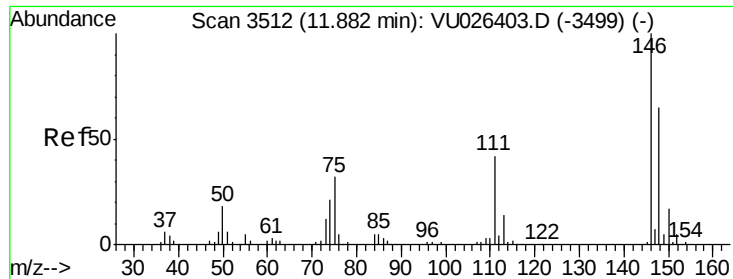


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 5.139 ug/L

RT: 11.88 min Scan# 3512

Delta R.T. 0.00 min

Lab File: VU026403.D

Acq: 28 Aug 2018 16:54

Instrument :

MSVOA_U

ClientSampleId :

VSTD00544

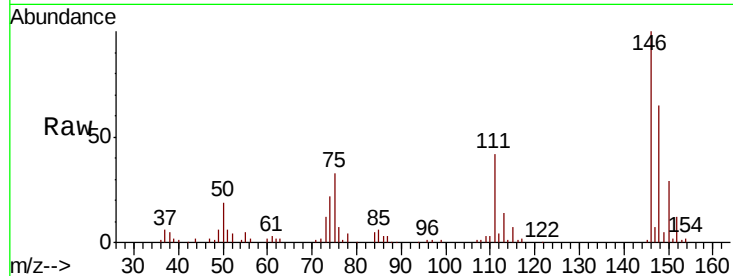
Tgt Ion:146 Resp: 51980

Ion Ratio Lower Upper

146 100

111 42.1 33.7 50.5

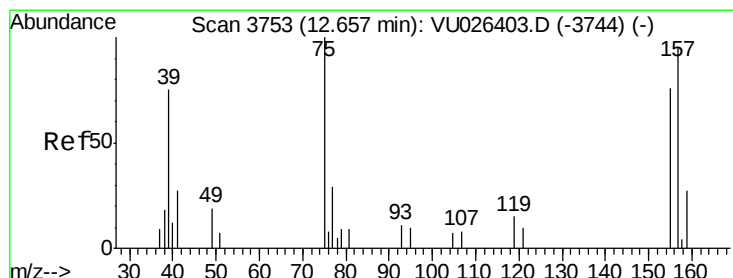
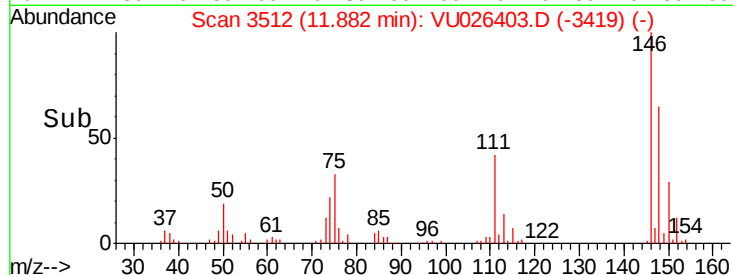
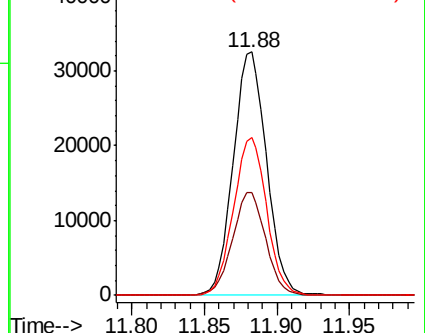
148 64.9 51.9 77.9



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: 5.343 ug/L

RT: 12.66 min Scan# 3753

Delta R.T. 0.00 min

Lab File: VU026403.D

Acq: 28 Aug 2018 16:54

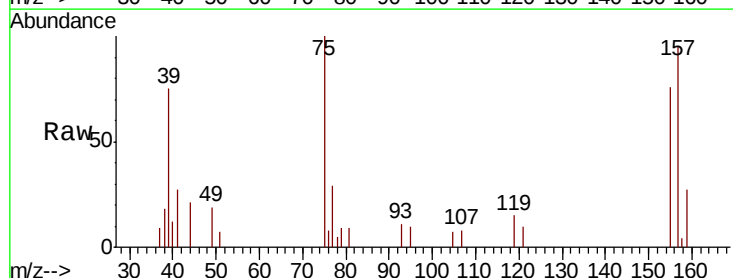
Tgt Ion: 75 Resp: 3615

Ion Ratio Lower Upper

75 100

155 76.0 60.8 91.2

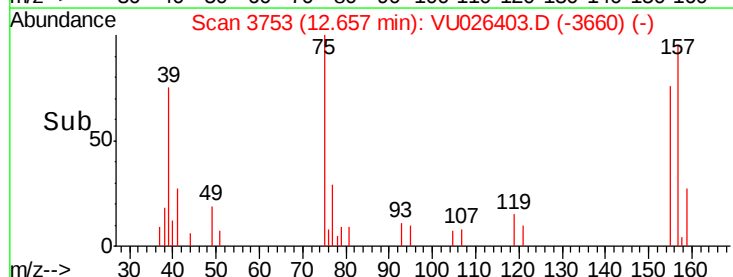
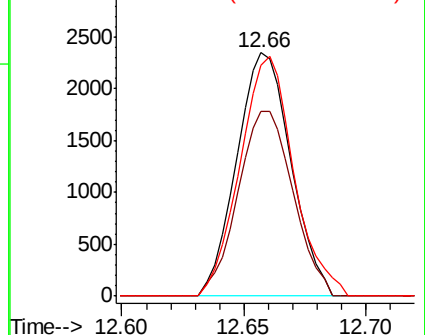
157 94.9 75.9 113.9

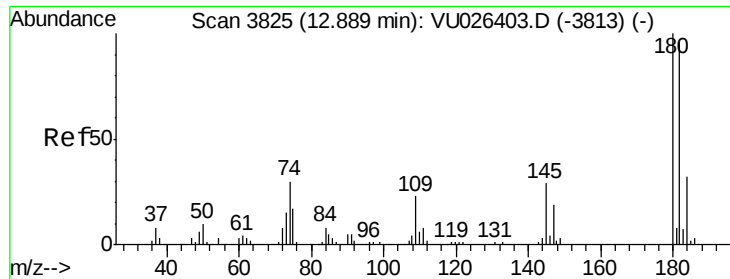


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

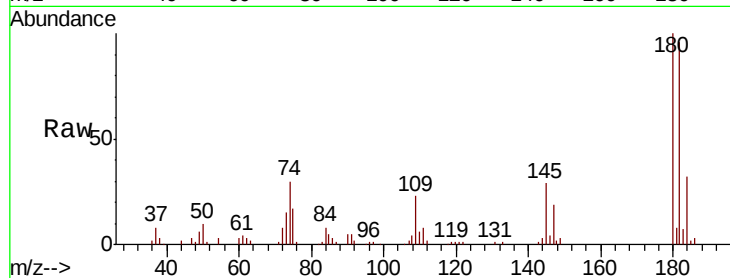




#67
 1,3,5-Trichlorobenzene
 Concen: 4.916 ug/L
 RT: 12.89 min Scan# 3825
 Delta R.T. 0.00 min
 Lab File: VU026403.D
 Acq: 28 Aug 2018 16:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00544

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.5	78.0	117.0
184	31.3	25.0	37.6
145	28.6	22.9	34.3



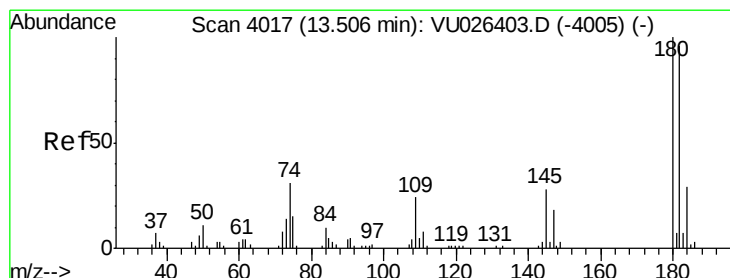
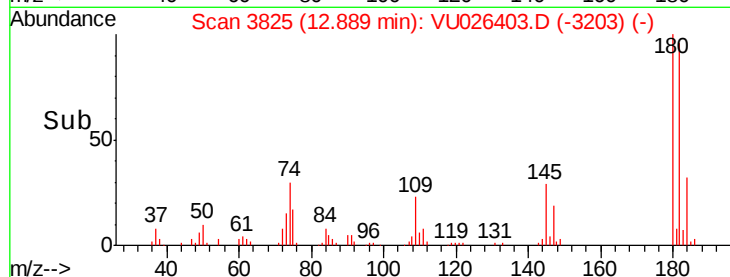
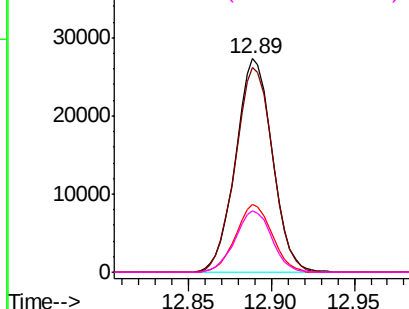
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

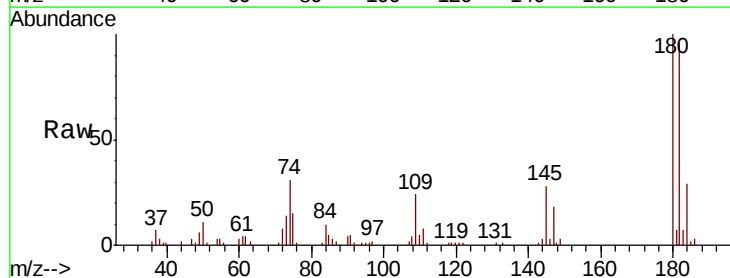
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 4.980 ug/L
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU026403.D
 Acq: 28 Aug 2018 16:54

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.1	76.9	115.3
145	29.5	23.6	35.4

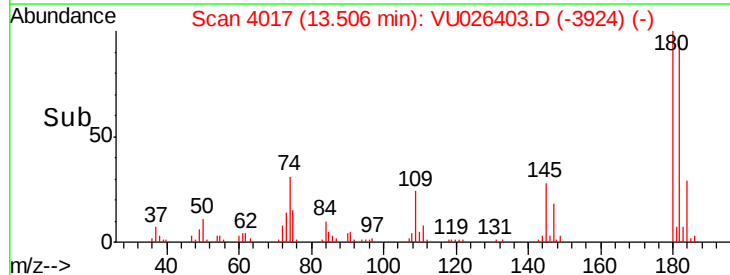
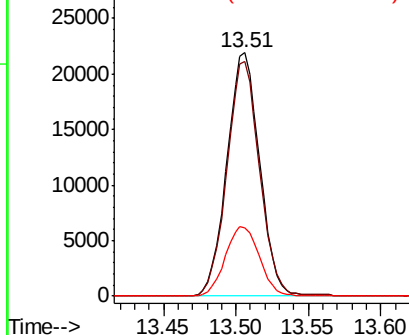


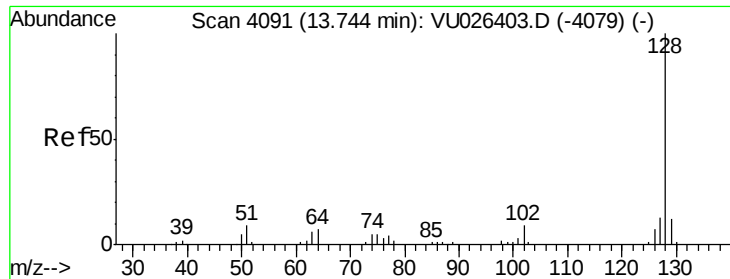
Abundance

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: 5.068 ug/L

RT: 13.74 min Scan# 4091

Delta R.T. 0.00 min

Lab File: VU026403.D

Acq: 28 Aug 2018 16:54

Instrument :

MSVOA_U

ClientSampleId :

VSTD00544

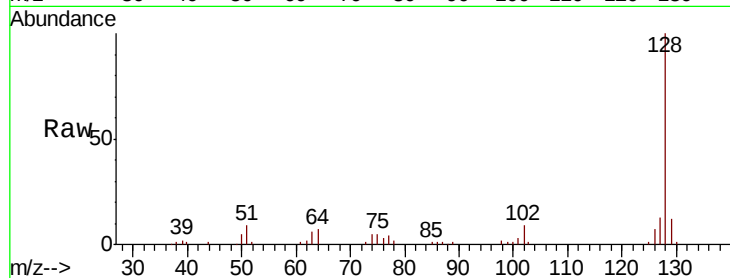
Tgt Ion:128 Resp: 53230

Ion Ratio Lower Upper

128 100

129 11.3 9.0 13.6

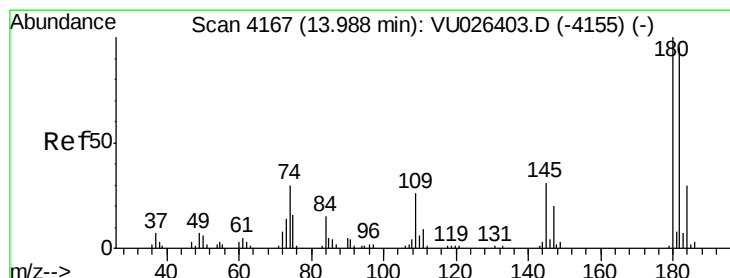
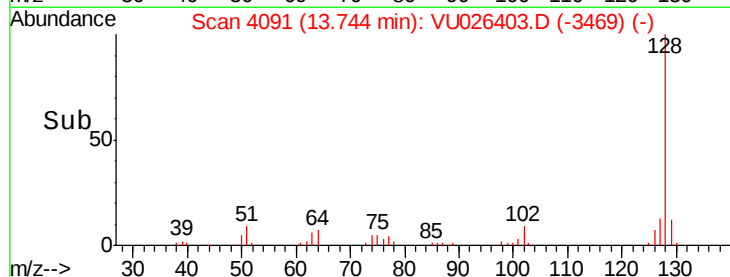
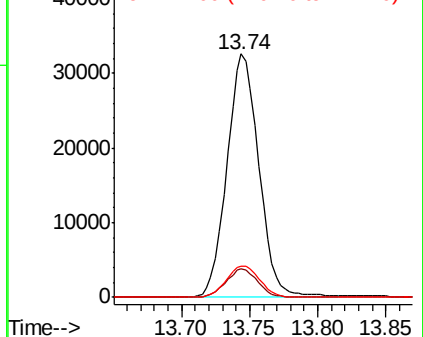
127 13.2 10.6 15.8



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: 5.305 ug/L

RT: 13.99 min Scan# 4167

Delta R.T. 0.00 min

Lab File: VU026403.D

Acq: 28 Aug 2018 16:54

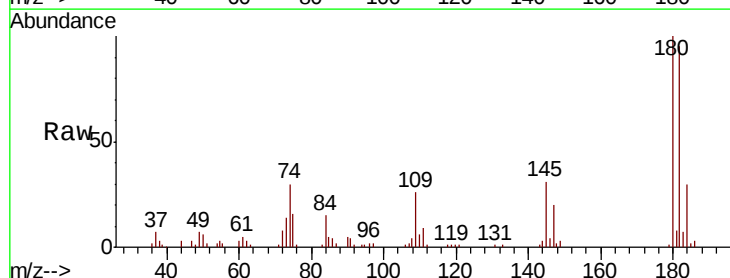
Tgt Ion:180 Resp: 33755

Ion Ratio Lower Upper

180 100

182 94.3 75.4 113.2

145 29.8 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

