

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU082818\
 Data File : VU026405.D
 Acq On : 28 Aug 2018 17:42
 Operator : MD/SY
 Sample : VSTD02046
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02046

Quant Time: Aug 28 23:51:58 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	68328	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	70150	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	37750	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	172892	18.95	ug/L	0.00
7) Chloroethane-d5	1.67	69	130123	19.01	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.27	63	296484	19.25	ug/L	0.00
20) 2-Butanone-d5	4.20	46	334723	198.86	ug/L	0.00
24) Chloroform-d	4.65	84	223160	21.38	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	120595	18.39	ug/L	0.00
32) Benzene-d6	5.34	84	468838	19.53	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.33	67	151839	19.07	ug/L	0.00
41) Toluene-d8	7.57	98	452199	20.12	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	61135	21.09	ug/L	0.00
46) 2-Hexanone-d5	8.32	63	305166	237.17	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.44	84	118670	19.25	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	169578	19.24	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	125822	19.194 ug/L	99
3) Chloromethane	1.33	50	164785	18.999 ug/L	98
5) Vinyl chloride	1.40	62	172731	19.777 ug/L	99
6) Bromomethane	1.62	94	88838	21.155 ug/L	98
8) Chloroethane	1.69	64	99098	19.280 ug/L	97
9) Trichlorofluoromethane	1.88	101	204030	19.604 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	118496	19.409 ug/L	97
12) 1,1-Dichloroethene	2.28	96	110842	19.803 ug/L	93
13) Acetone	2.32	43	221942	178.585 ug/L	100
14) Carbon disulfide	2.47	76	400783	19.501 ug/L	100
15) Methyl Acetate	2.62	43	63232	18.040 ug/L	99
16) Methylene chloride	2.70	84	124264	17.766 ug/L	98
17) Methyl tert-butyl Ether	3.00	73	282877	20.139 ug/L	99
18) trans-1,2-Dichloroethene	2.98	96	120518	19.714 ug/L	95
19) 1,1-Dichloroethane	3.44	63	246723	19.455 ug/L	99
21) 2-Butanone	4.28	43	317508	199.124 ug/L	98
22) cis-1,2-Dichloroethene	4.22	96	119040	19.219 ug/L	98
23) Bromochloromethane	4.55	128	48577	19.377 ug/L	99
25) Chloroform	4.68	83	214244	17.566 ug/L	99
27) 1,2-Dichloroethane	5.41	62	134236	19.769 ug/L	96
29) 1,1,1-Trichloroethane	4.91	97	168717	19.151 ug/L	99
30) Cyclohexane	4.99	56	192473	21.364 ug/L	100
31) Carbon tetrachloride	5.13	117	154926	19.499 ug/L	99
33) Benzene	5.39	78	464127	19.938 ug/L	100
34) Trichloroethene	6.18	95	115032	18.297 ug/L	98
35) Methylcyclohexane	6.42	83	198581	22.208 ug/L	97
37) 1,2-Dichloropropane	6.44	63	127336	19.728 ug/L	100
38) Bromodichloromethane	6.76	83	146906	19.361 ug/L	100
39) cis-1,3-Dichloropropene	7.27	75	176896	21.579 ug/L	98
40) 4-Methyl-2-pentanone	7.47	43	804569	221.368 ug/L	99

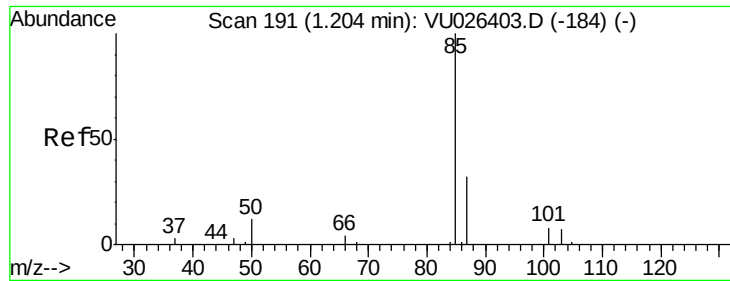
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU082818\
 Data File : VU026405.D
 Acq On : 28 Aug 2018 17:42
 Operator : MD/SY
 Sample : VSTD02046
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02046

Quant Time: Aug 28 23:51:58 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)
42) Toluene	7.64	91	498672	21.021	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	149275	22.102	ug/L	100
45) 1,1,2-Trichloroethane	8.07	97	77958	19.252	ug/L	95
47) Tetrachloroethene	8.23	164	92552	19.572	ug/L	98
48) 2-Hexanone	8.37	43	590389	219.343	ug/L	98
49) Dibromochloromethane	8.48	129	101232	20.502	ug/L	100
50) 1,2-Dibromoethane	8.59	107	76053	19.862	ug/L	99
51) Chlorobenzene	9.12	112	312092	20.282	ug/L	100
52) Ethylbenzene	9.25	91	557028	22.158	ug/L	98
53) m,p-xylene	9.38	106	212591	22.991	ug/L	96
54) o-xylene	9.78	106	202854	23.189	ug/L	97
55) Styrene	9.80	104	361301	23.580	ug/L	99
56) Isopropylbenzene	10.17	105	545537	23.445	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.46	83	107543	20.266	ug/L	97
59) 1,2,3-Trichloropropane	10.50	75	75132	20.145	ug/L	97
61) Bromoform	9.96	173	58476	19.563	ug/L	98
62) 1,3-Dichlorobenzene	11.42	146	245199	20.142	ug/L	99
63) 1,4-Dichlorobenzene	11.51	146	255590	19.961	ug/L	98
65) 1,2-Dichlorobenzene	11.88	146	242602	20.164	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.66	75	16232	20.171	ug/L	92
67) 1,3,5-Trichlorobenzene	12.89	180	205988	20.238	ug/L	98
68) 1,2,4-trichlorobenzene	13.51	180	173862	21.246	ug/L	100
69) Naphthalene	13.74	128	298360	23.883	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	161446	21.333	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 19.194 ug/L

RT: 1.20 min Scan# 191

Delta R.T. 0.00 min

Lab File: VU026405.D

Acq: 28 Aug 2018 17:42

Instrument :

MSVOA_U

ClientSampleId :

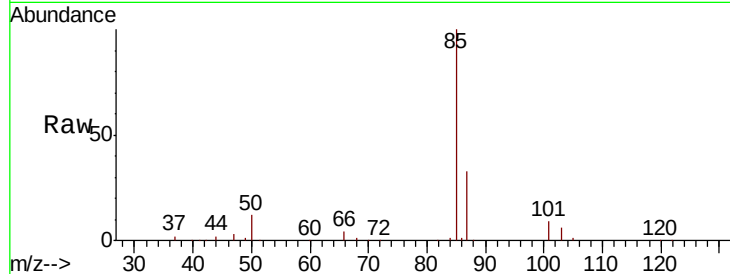
VSTD02046

Tgt Ion: 85 Resp: 125822

Ion Ratio Lower Upper

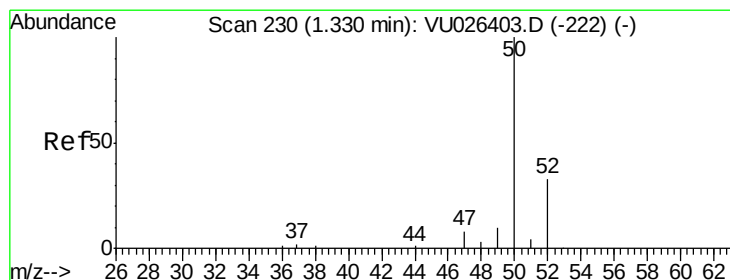
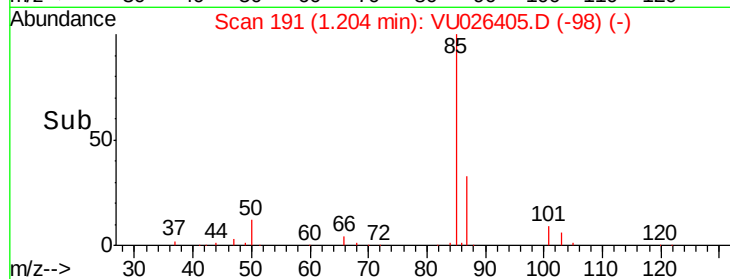
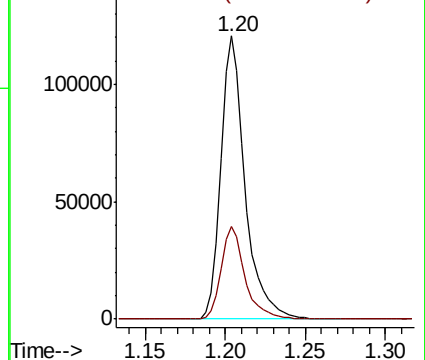
85 100

87 32.3 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: 18.999 ug/L

RT: 1.33 min Scan# 230

Delta R.T. 0.00 min

Lab File: VU026405.D

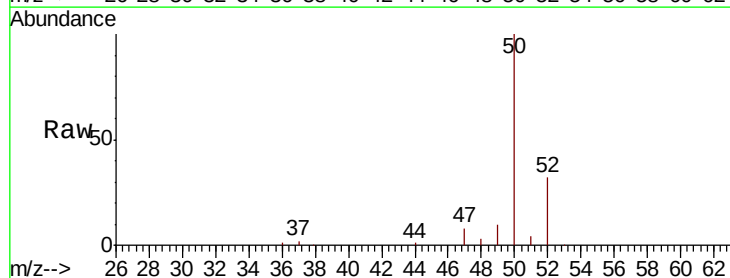
Acq: 28 Aug 2018 17:42

Tgt Ion: 50 Resp: 164785

Ion Ratio Lower Upper

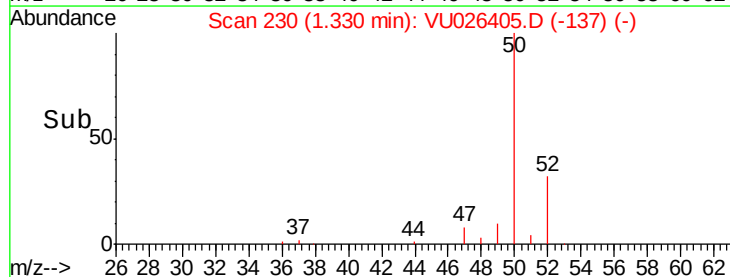
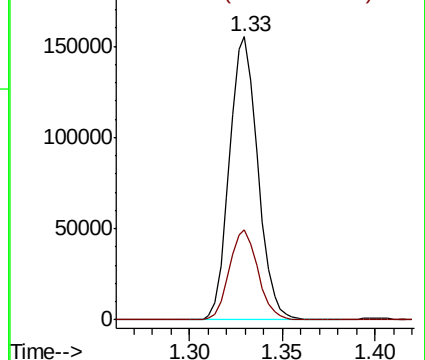
50 100

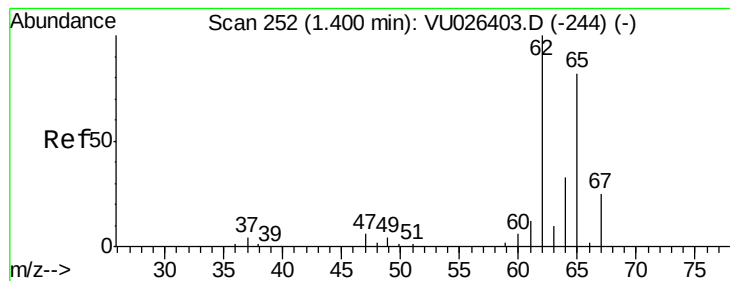
52 31.7 23.0 42.6



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0





#5

Vinyl chloride

Concen: 19.777 ug/L

RT: 1.40 min Scan# 252

Delta R.T. 0.00 min

Lab File: VU026405.D

Acq: 28 Aug 2018 17:42

Instrument :

MSVOA_U

ClientSampleId :

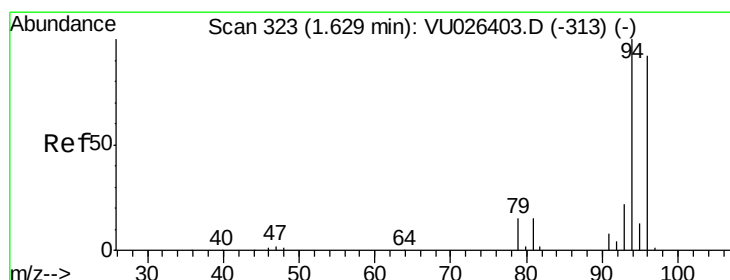
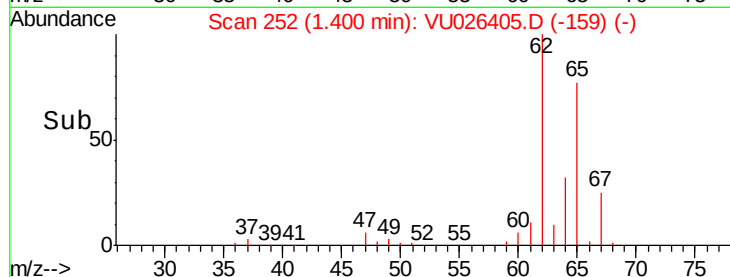
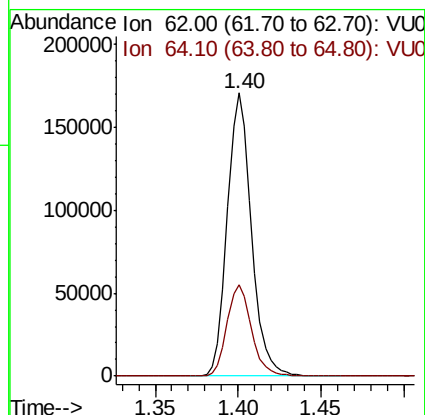
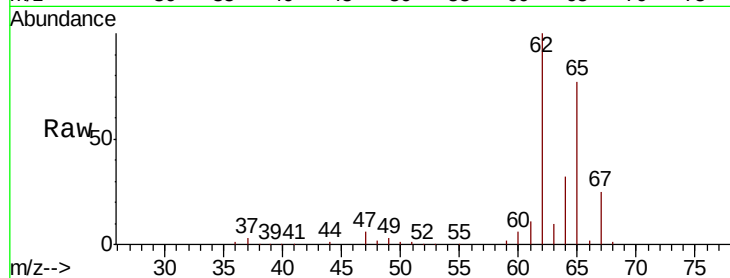
VSTD02046

Tgt Ion: 62 Resp: 172731

Ion Ratio Lower Upper

62 100

64 32.5 23.0 42.8



#6

Bromomethane

Concen: 21.155 ug/L

RT: 1.62 min Scan# 319

Delta R.T. -0.01 min

Lab File: VU026405.D

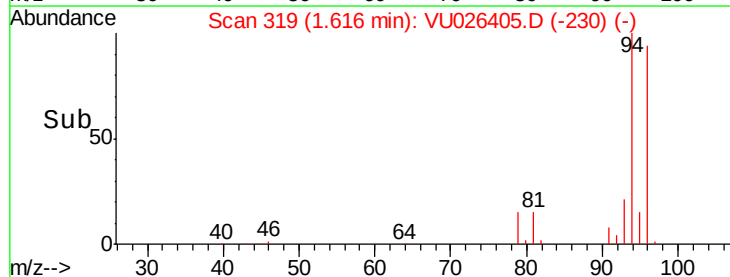
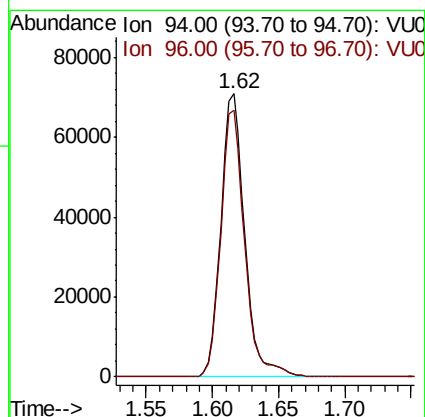
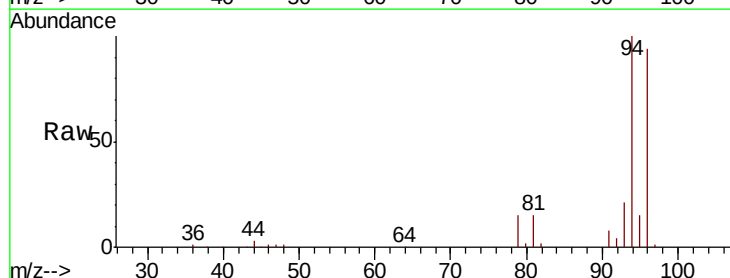
Acq: 28 Aug 2018 17:42

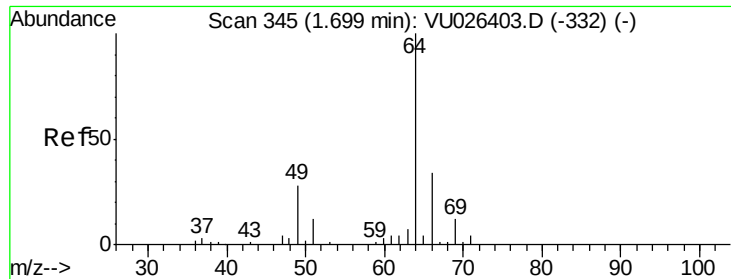
Tgt Ion: 94 Resp: 88838

Ion Ratio Lower Upper

94 100

96 94.1 64.3 119.5





#8

Chloroethane

Concen: 19.280 ug/L

RT: 1.69 min Scan# 342

Delta R.T. -0.01 min

Lab File: VU026405.D

Acq: 28 Aug 2018 17:42

Instrument :

MSVOA_U

ClientSampleId :

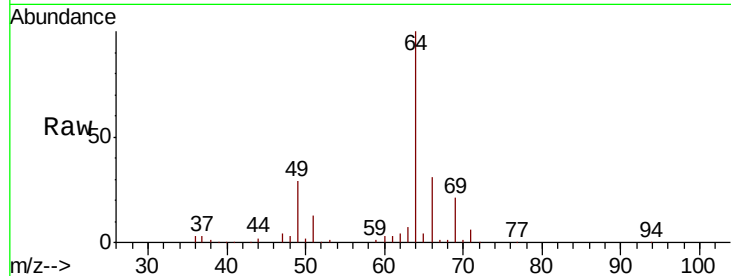
VSTD02046

Tgt Ion: 64 Resp: 99098

Ion Ratio Lower Upper

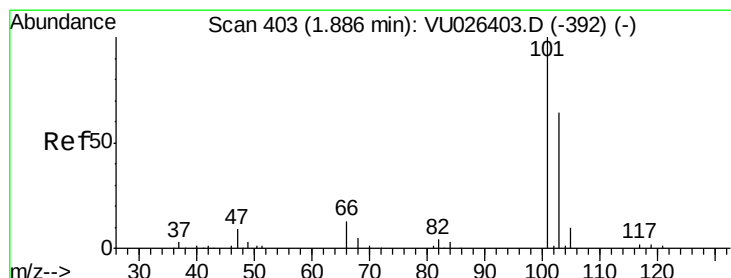
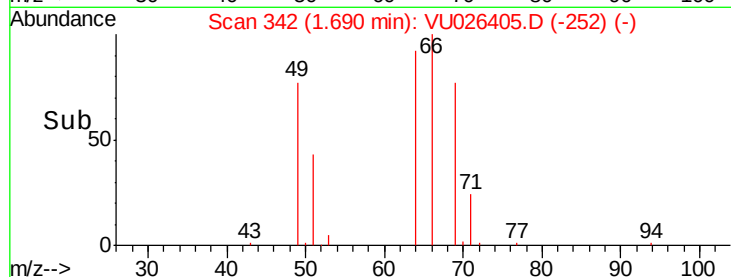
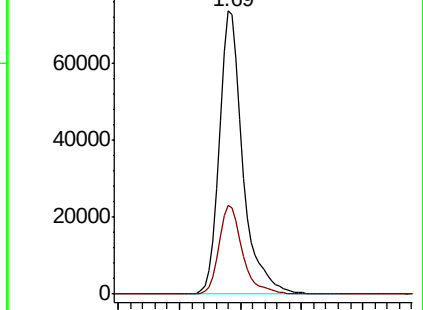
64 100

66 31.4 23.2 43.2



Abundance Ion 64.10 (63.80 to 64.80): VU026405.D (-252) (-)

Ion 66.05 (65.75 to 66.75): VU026405.D (-252) (-)



#9

Trichlorofluoromethane

Concen: 19.604 ug/L

RT: 1.88 min Scan# 402

Delta R.T. -0.00 min

Lab File: VU026405.D

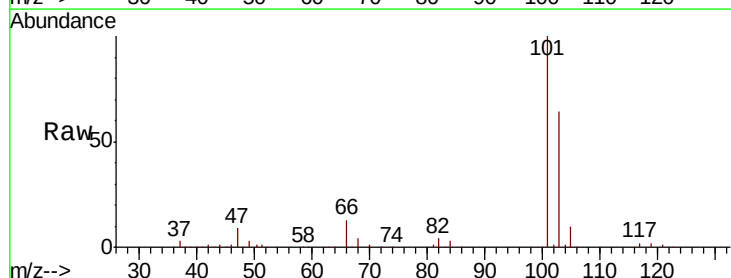
Acq: 28 Aug 2018 17:42

Tgt Ion: 101 Resp: 204030

Ion Ratio Lower Upper

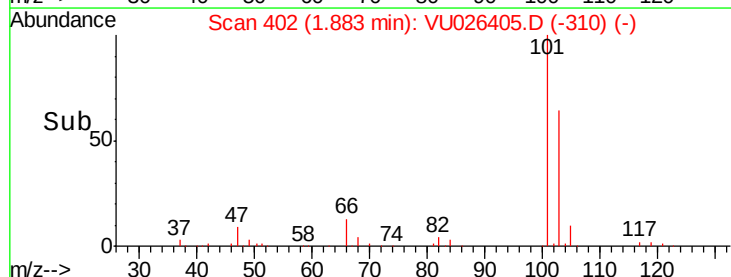
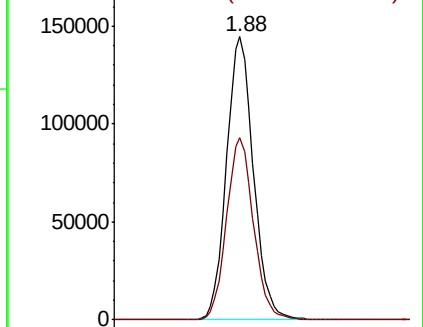
101 100

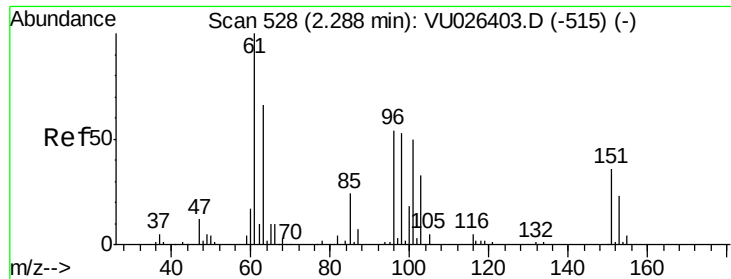
103 64.5 51.3 76.9



Abundance Ion 101.00 (100.70 to 101.70): VU026405.D (-310) (-)

Ion 103.00 (102.70 to 103.70): VU026405.D (-310) (-)





#10

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

Concen: 19.409 ug/L

RT: 2.28 min Scan# 527

Delta R.T. -0.00 min

Lab File: VU026405.D

Acq: 28 Aug 2018 17:42

Instrument :

MSVOA_U

ClientSampleId :

VSTD02046

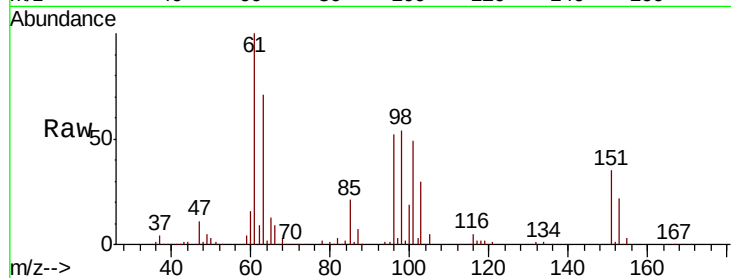
Tgt Ion: 101 Resp: 118496

Ion Ratio Lower Upper

101 100

85 43.7 36.0 54.0

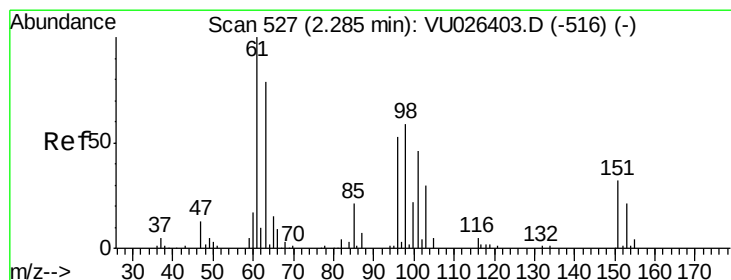
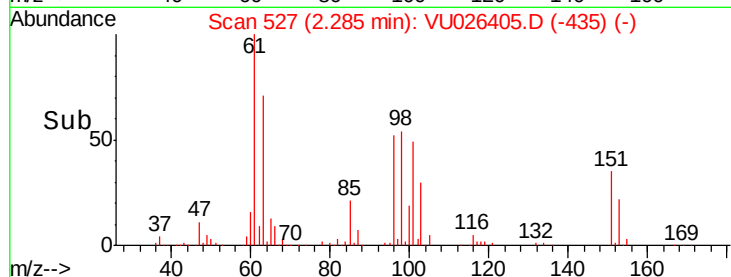
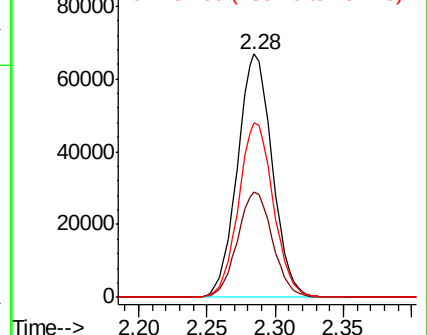
151 71.7 55.5 83.3



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: 19.803 ug/L

RT: 2.28 min Scan# 526

Delta R.T. -0.00 min

Lab File: VU026405.D

Acq: 28 Aug 2018 17:42

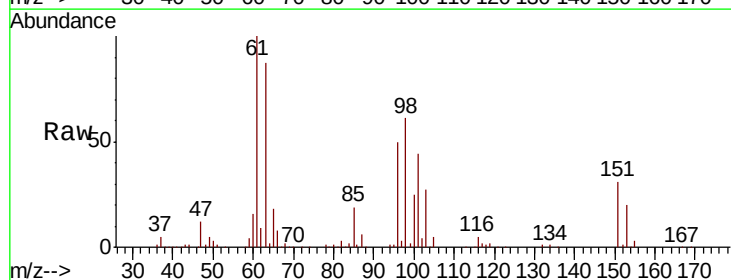
Tgt Ion: 96 Resp: 110842

Ion Ratio Lower Upper

96 100

61 198.4 133.5 247.9

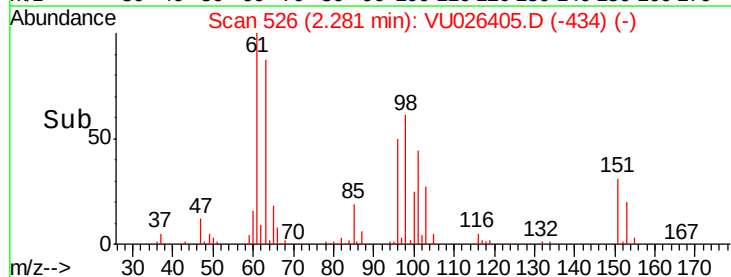
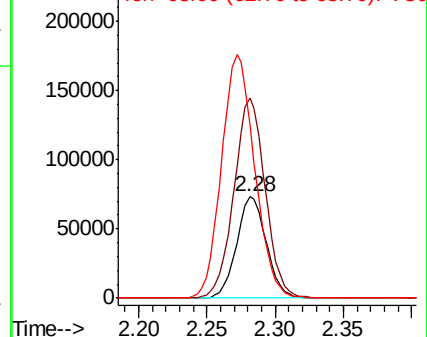
63 172.1 112.3 208.7

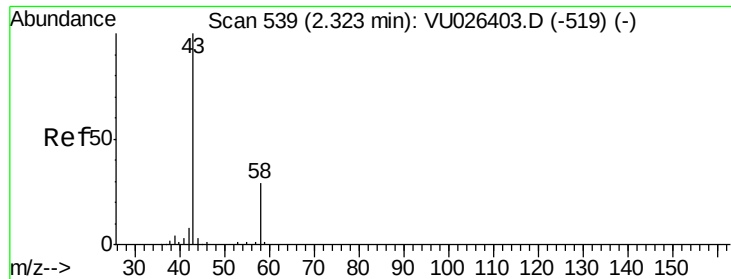


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 178.585 ug/L

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU026405.D

Acq: 28 Aug 2018 17:42

Instrument :

MSVOA_U

ClientSampleId :

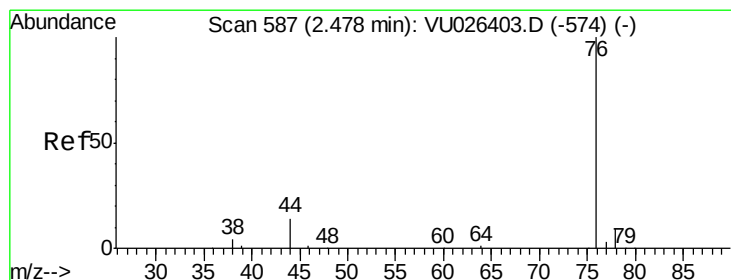
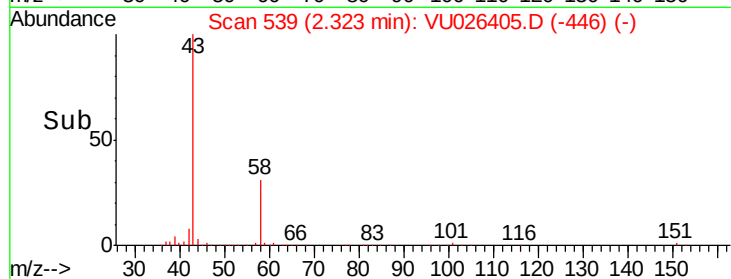
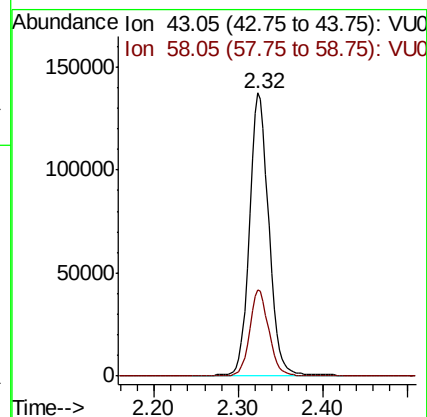
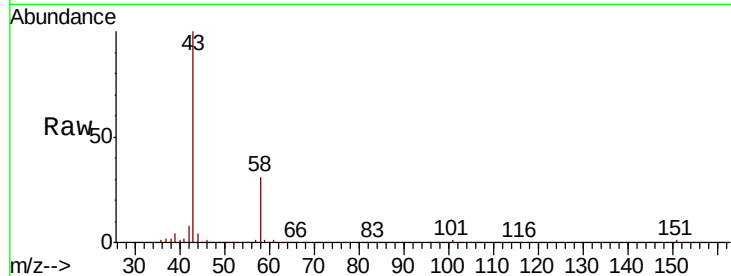
VSTD02046

Tgt Ion: 43 Resp: 221942

Ion Ratio Lower Upper

43 100

58 30.2 0.0 60.6



#14

Carbon disulfide

Concen: 19.501 ug/L

RT: 2.47 min Scan# 586

Delta R.T. -0.00 min

Lab File: VU026405.D

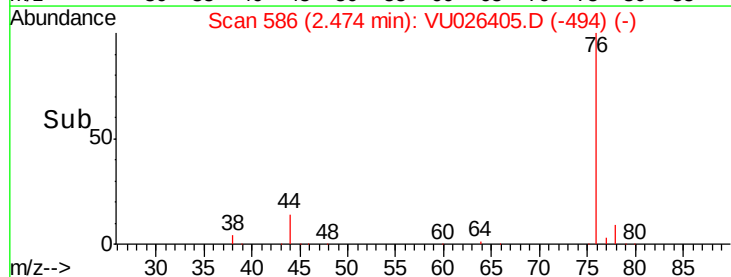
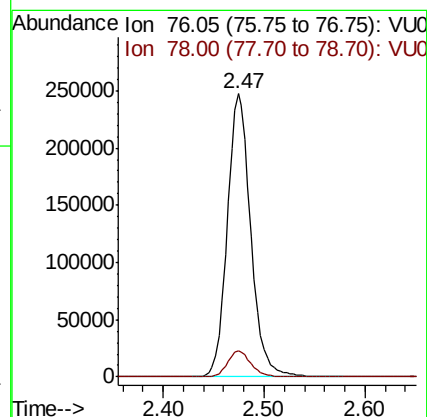
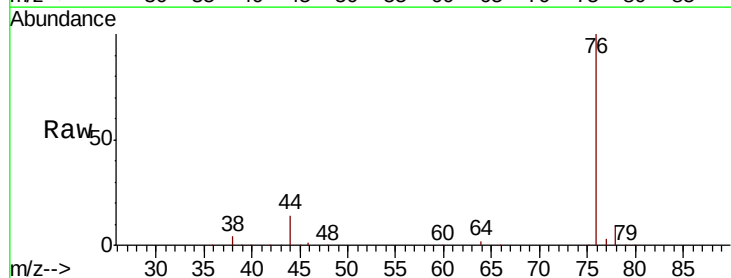
Acq: 28 Aug 2018 17:42

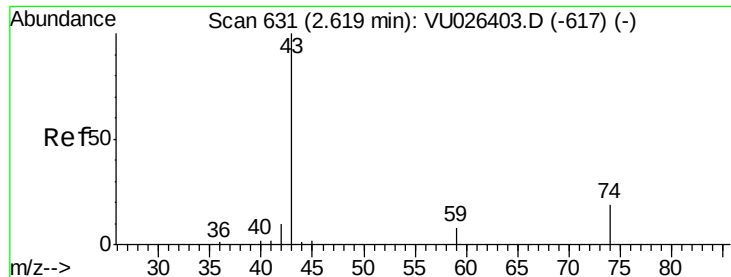
Tgt Ion: 76 Resp: 400783

Ion Ratio Lower Upper

76 100

78 9.1 7.2 10.8





#15

Methyl Acetate

Concen: 18.040 ug/L

RT: 2.62 min Scan# 631

Delta R.T. 0.00 min

Lab File: VU026405.D

Acq: 28 Aug 2018 17:42

Instrument :

MSVOA_U

ClientSampleId :

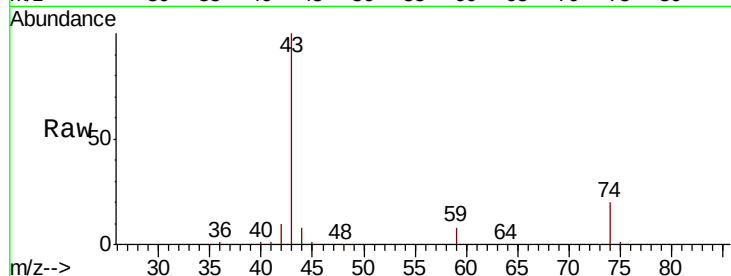
VSTD02046

Tgt Ion: 43 Resp: 63232

Ion Ratio Lower Upper

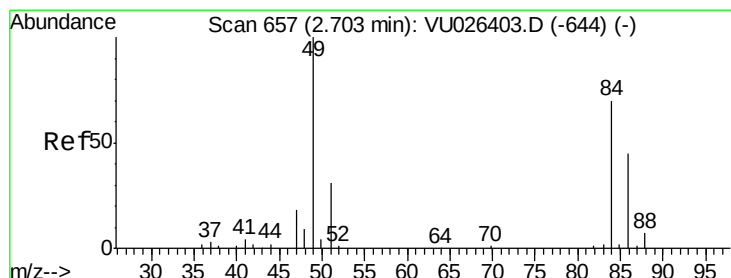
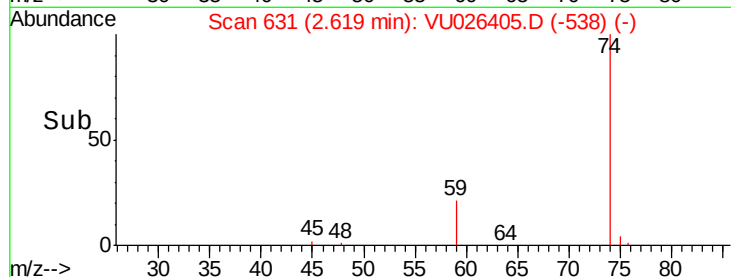
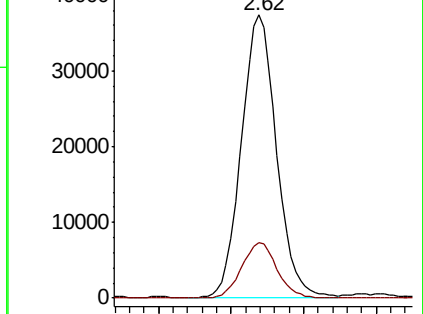
43 100

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: 17.766 ug/L

RT: 2.70 min Scan# 656

Delta R.T. -0.00 min

Lab File: VU026405.D

Acq: 28 Aug 2018 17:42

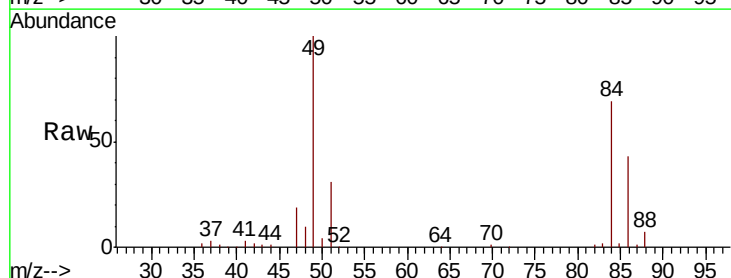
Tgt Ion: 84 Resp: 124264

Ion Ratio Lower Upper

84 100

86 62.6 44.9 83.3

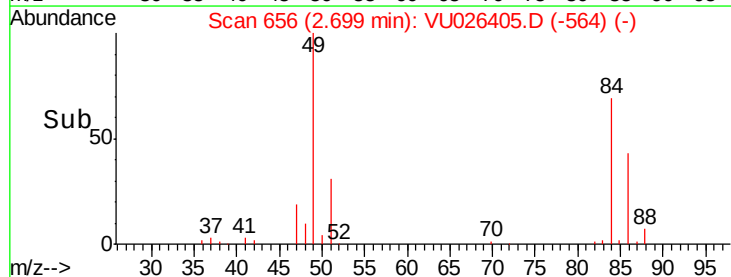
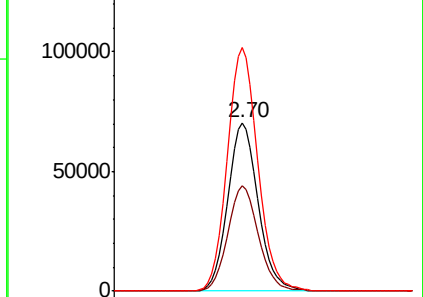
49 144.8 99.7 185.1

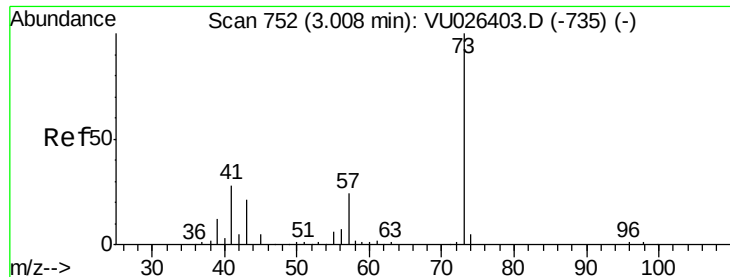


Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0

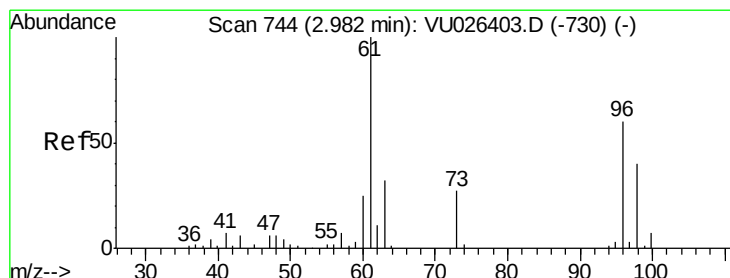
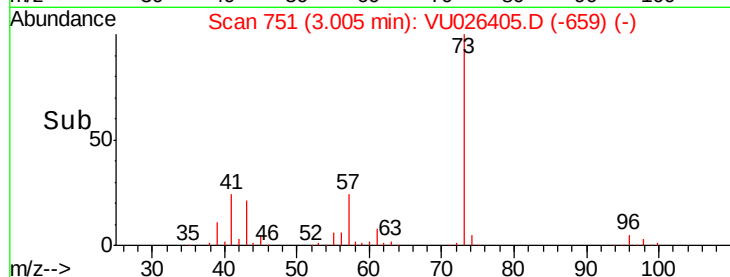
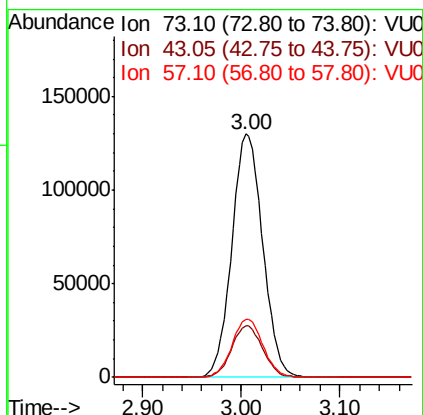
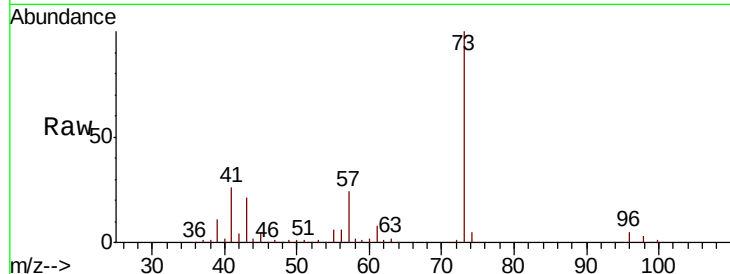




#17
Methyl tert-butyl Ether
Concen: 20.139 ug/L
RT: 3.00 min Scan# 751
Delta R.T. -0.00 min
Lab File: VU026405.D
Acq: 28 Aug 2018 17:42

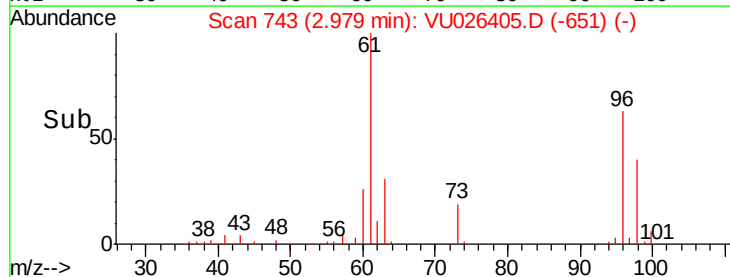
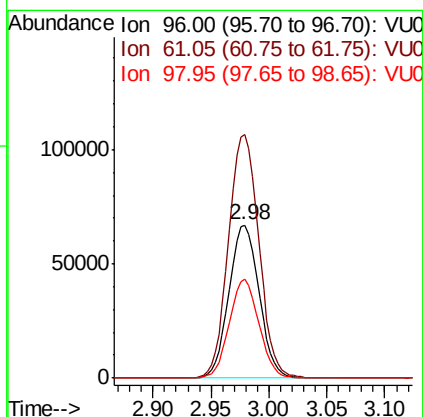
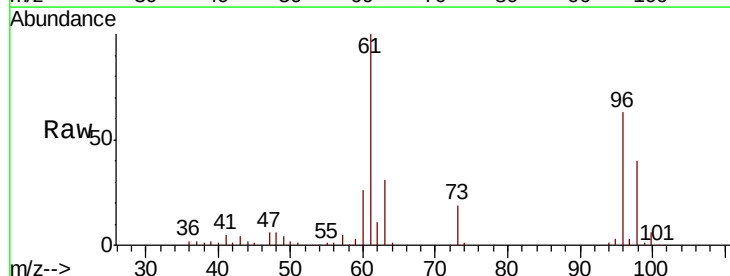
Instrument :
MSVOA_U
ClientSampleId :
VSTD02046

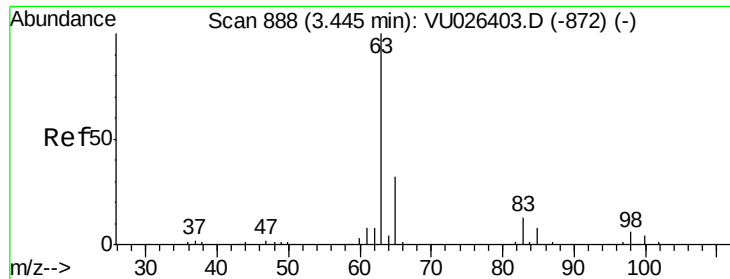
Tgt Ion: 73 Resp: 282877
Ion Ratio Lower Upper
73 100
43 21.4 17.6 26.4
57 24.1 19.0 28.6



#18
trans-1,2-Dichloroethene
Concen: 19.714 ug/L
RT: 2.98 min Scan# 743
Delta R.T. -0.00 min
Lab File: VU026405.D
Acq: 28 Aug 2018 17:42

Tgt Ion: 96 Resp: 120518
Ion Ratio Lower Upper
96 100
61 159.0 116.6 216.6
98 64.4 46.1 85.7

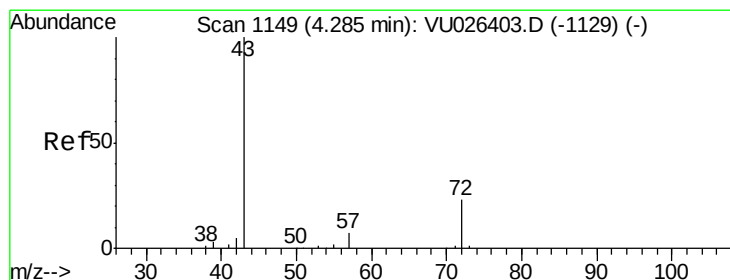
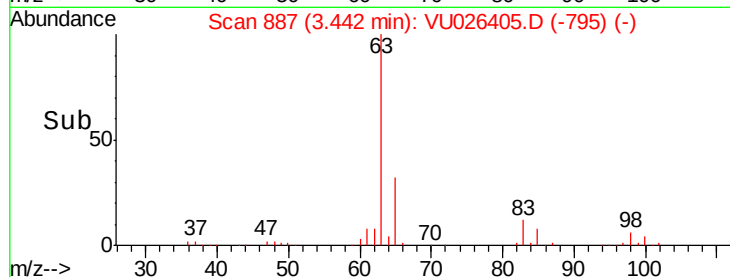
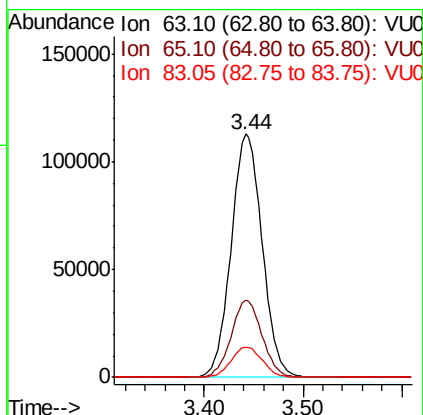
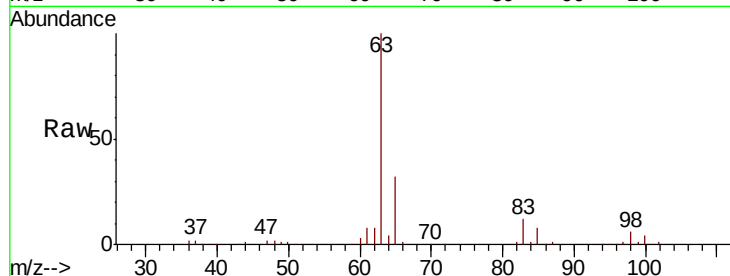




#19
 1,1-Dichloroethane
 Concen: 19.455 ug/L
 RT: 3.44 min Scan# 887
 Delta R.T. -0.00 min
 Lab File: VU026405.D
 Acq: 28 Aug 2018 17:42

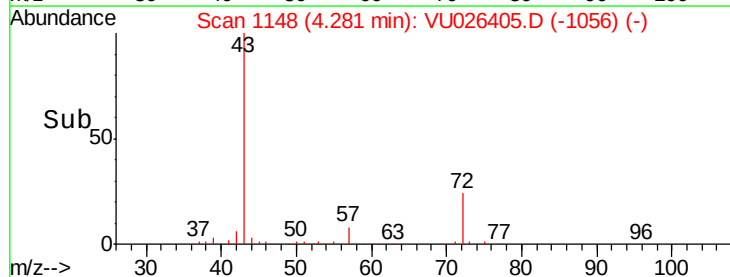
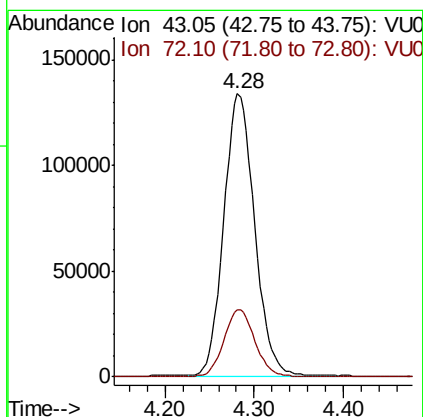
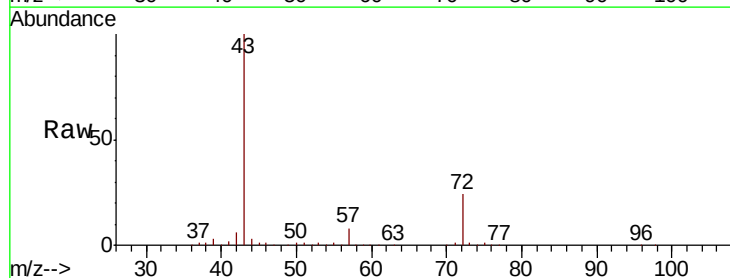
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02046

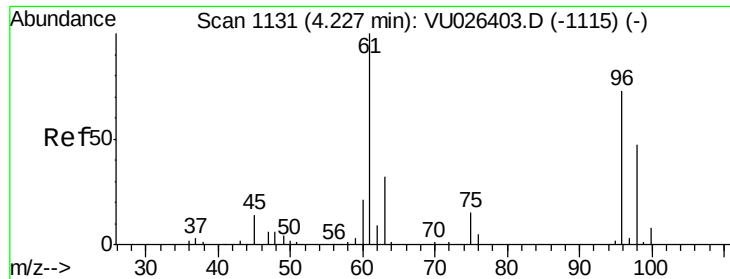
Tgt Ion: 63 Resp: 246723
 Ion Ratio Lower Upper
 63 100
 65 31.5 22.2 41.2
 83 12.5 9.2 17.2



#21
 2-Butanone
 Concen: 199.124 ug/L
 RT: 4.28 min Scan# 1148
 Delta R.T. -0.00 min
 Lab File: VU026405.D
 Acq: 28 Aug 2018 17:42

Tgt Ion: 43 Resp: 317508
 Ion Ratio Lower Upper
 43 100
 72 23.8 11.4 34.1





#22

cis-1,2-Dichloroethene

Concen: 19.219 ug/L

RT: 4.22 min Scan# 1130

Delta R.T. -0.00 min

Lab File: VU026405.D

Acq: 28 Aug 2018 17:42

Instrument :

MSVOA_U

ClientSampleId :

VSTD02046

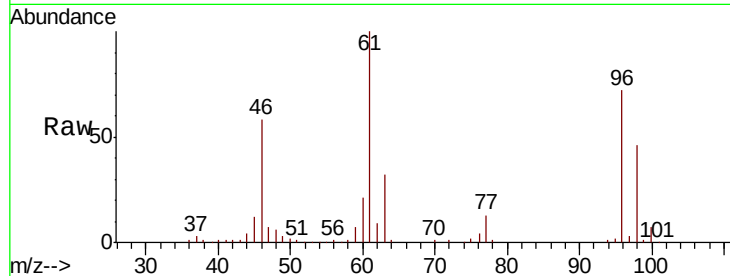
Tgt Ion: 96 Resp: 119040

Ion Ratio Lower Upper

96 100

61 139.3 95.9 178.1

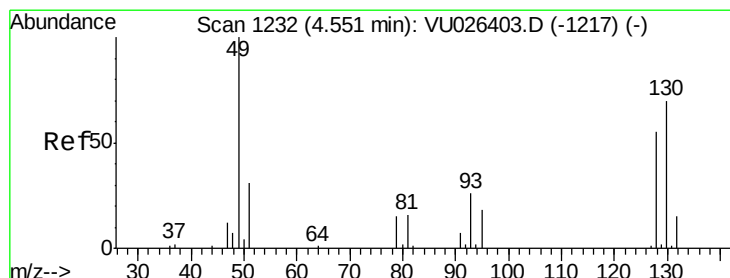
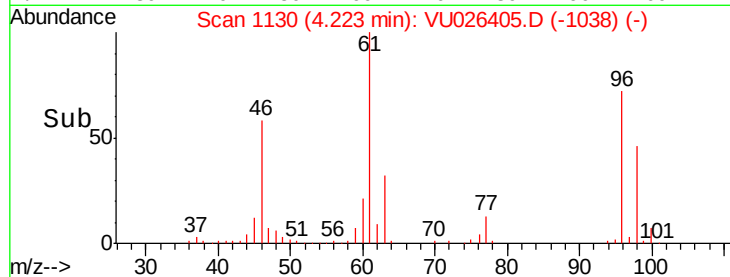
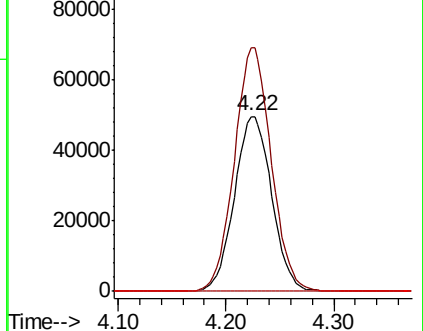
68 0.0 0.0 0.0



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: 19.377 ug/L

RT: 4.55 min Scan# 1231

Delta R.T. -0.00 min

Lab File: VU026405.D

Acq: 28 Aug 2018 17:42

Tgt Ion: 128 Resp: 48577

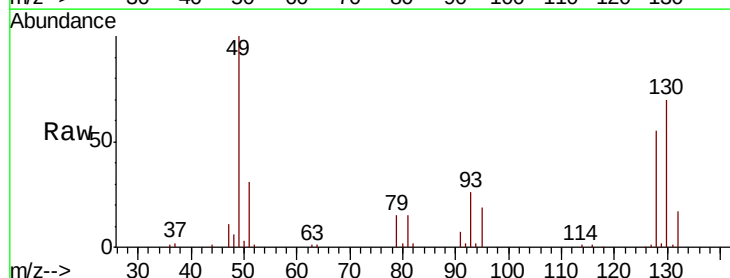
Ion Ratio Lower Upper

128 100

49 181.8 126.8 235.4

130 127.5 88.6 164.6

51 57.1 45.2 67.8

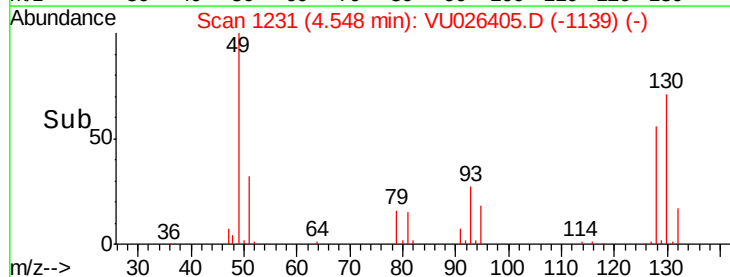
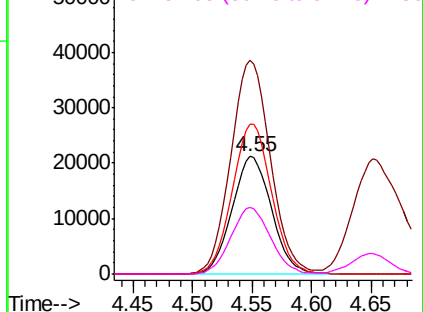


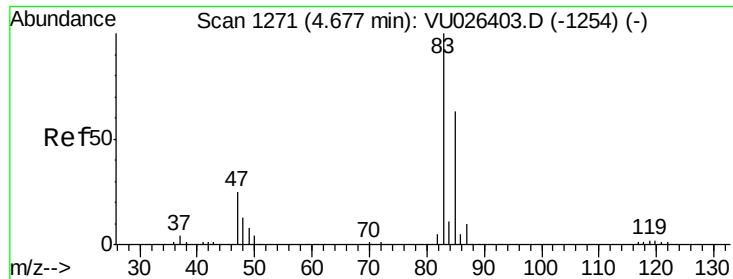
Abundance Ion 127.90 (127.60 to 128.60): V

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

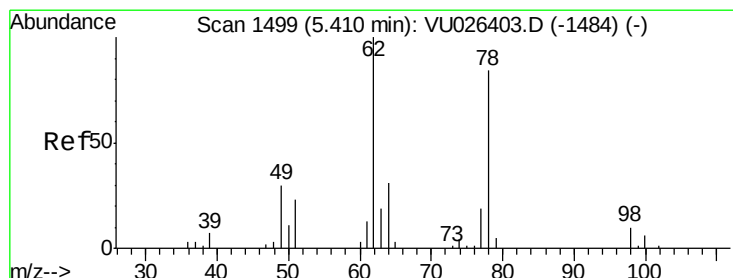
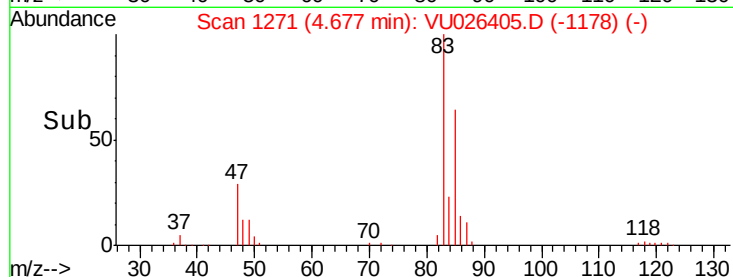
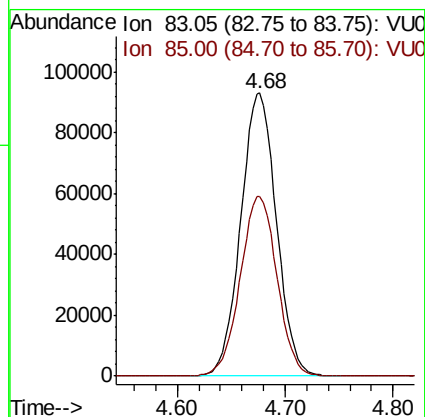
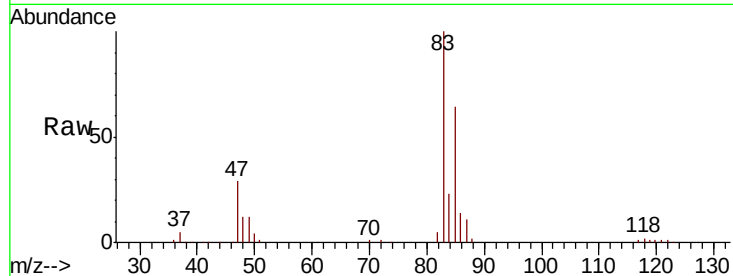




#25
Chloroform
Concen: 17.566 ug/L
RT: 4.68 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VU026405.D
Acq: 28 Aug 2018 17:42

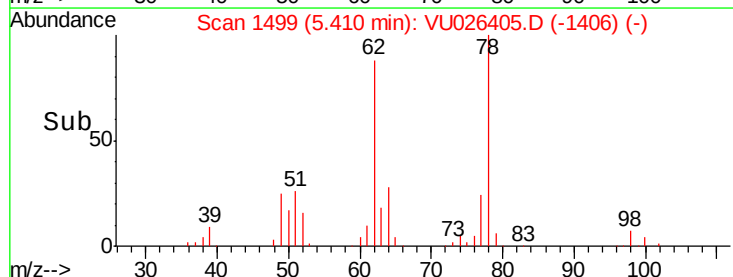
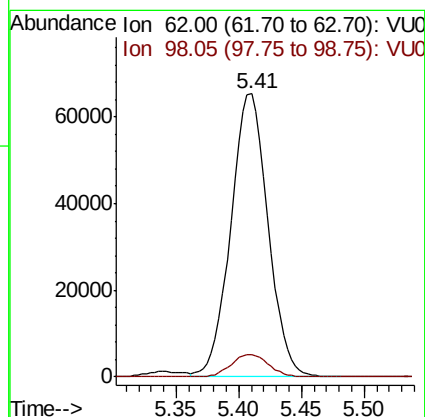
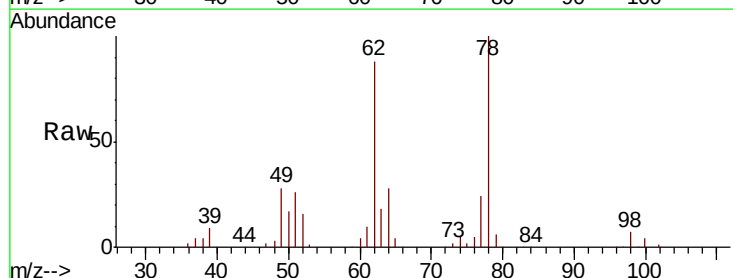
Instrument :
MSVOA_U
ClientSampleId :
VSTD02046

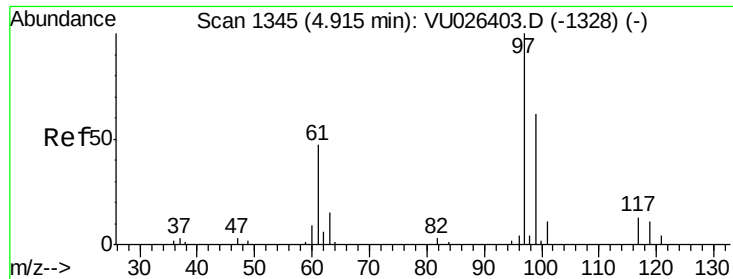
Tgt Ion: 83 Resp: 214244
Ion Ratio Lower Upper
83 100
85 63.7 43.8 81.4



#27
1,2-Dichloroethane
Concen: 19.769 ug/L
RT: 5.41 min Scan# 1499
Delta R.T. 0.00 min
Lab File: VU026405.D
Acq: 28 Aug 2018 17:42

Tgt Ion: 62 Resp: 134236
Ion Ratio Lower Upper
62 100
98 7.9 7.6 11.4

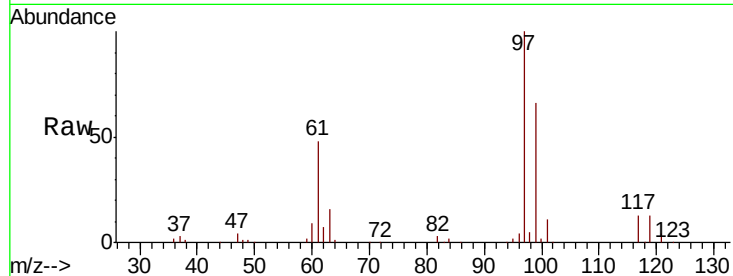




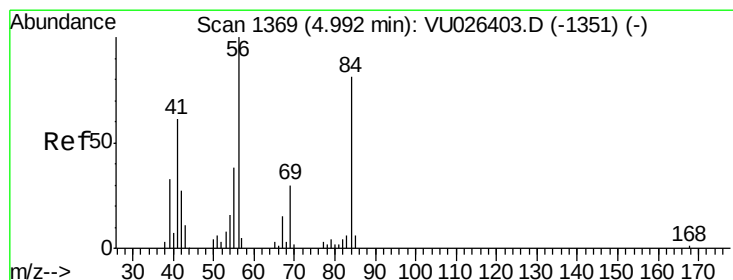
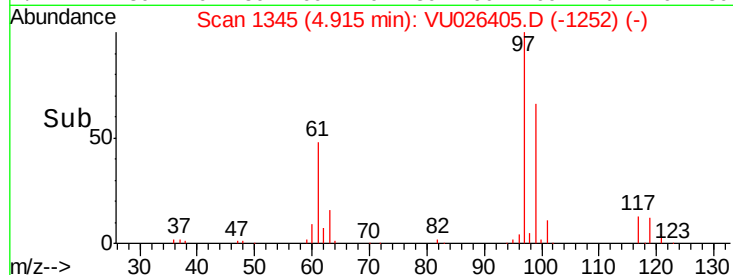
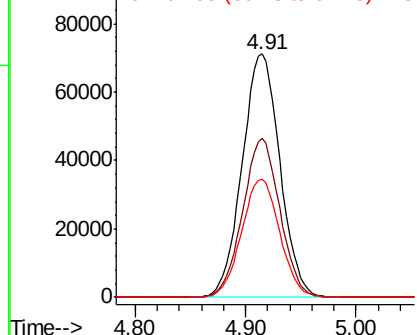
#29
 1,1,1-Trichloroethane
 Concen: 19.151 ug/L
 RT: 4.91 min Scan# 1345
 Delta R.T. 0.00 min
 Lab File: VU026405.D
 Acq: 28 Aug 2018 17:42

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02046

Tgt Ion: 97 Resp: 168717
 Ion Ratio Lower Upper
 97 100
 99 64.4 51.8 77.8
 61 49.3 40.1 60.1

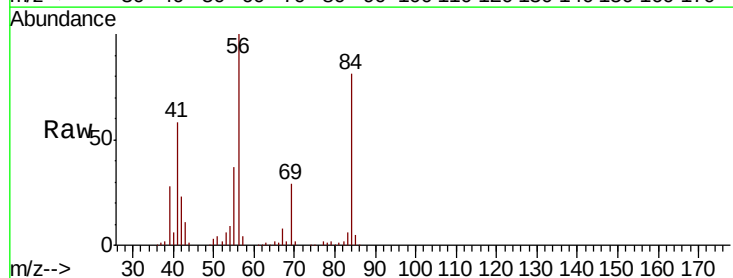


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

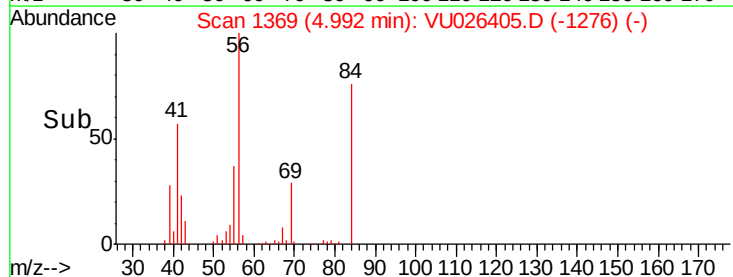
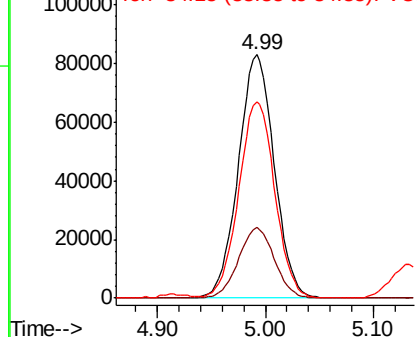


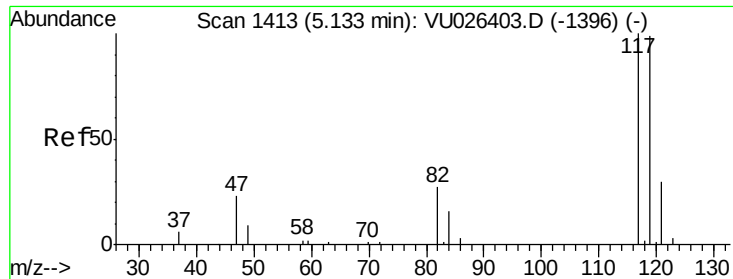
#30
 Cyclohexane
 Concen: 21.364 ug/L
 RT: 4.99 min Scan# 1369
 Delta R.T. 0.00 min
 Lab File: VU026405.D
 Acq: 28 Aug 2018 17:42

Tgt Ion: 56 Resp: 192473
 Ion Ratio Lower Upper
 56 100
 69 28.8 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: 19.499 ug/L

RT: 5.13 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VU026405.D

Acq: 28 Aug 2018 17:42

Instrument :

MSVOA_U

ClientSampleId :

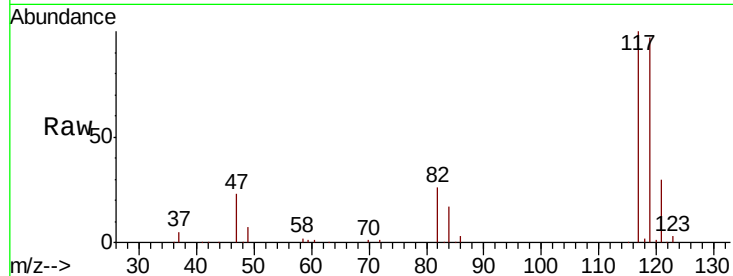
VSTD02046

Tgt Ion:117 Resp: 154926

Ion Ratio Lower Upper

117 100

119 96.8 76.7 115.1



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

5.13

80000

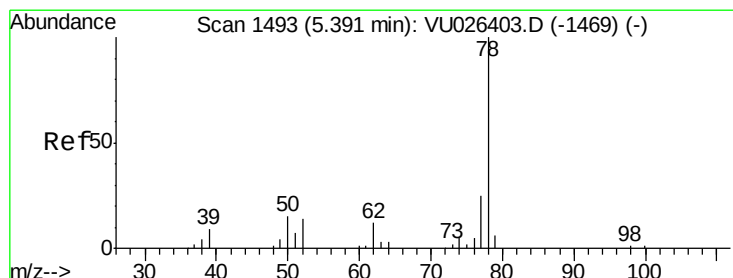
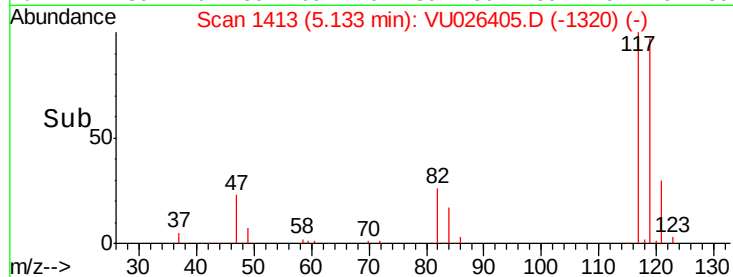
60000

40000

20000

0

Time-->



#33

Benzene

Concen: 19.938 ug/L

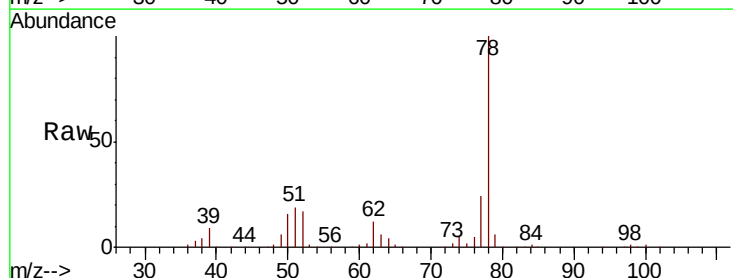
RT: 5.39 min Scan# 1493

Delta R.T. 0.00 min

Lab File: VU026405.D

Acq: 28 Aug 2018 17:42

Tgt Ion: 78 Resp: 464127



Abundance Ion 78.10 (77.80 to 78.80): VU0

5.39

250000

200000

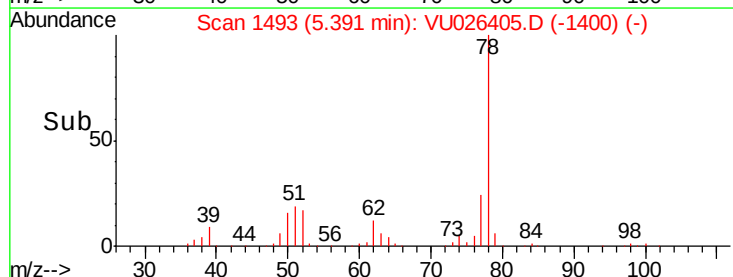
150000

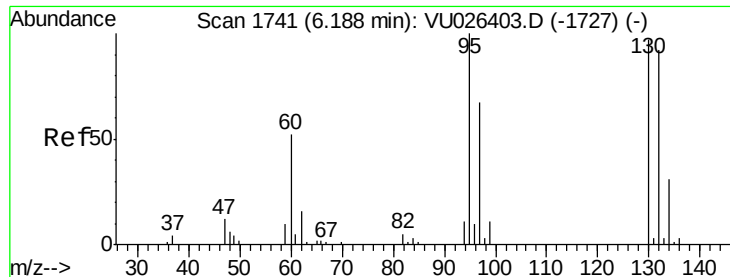
100000

50000

0

Time-->





#34

Trichloroethene

Concen: 18.297 ug/L

RT: 6.18 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VU026405.D

Acq: 28 Aug 2018 17:42

Instrument :

MSVOA_U

ClientSampleId :

VSTD02046

Tgt Ion: 95 Resp: 115032

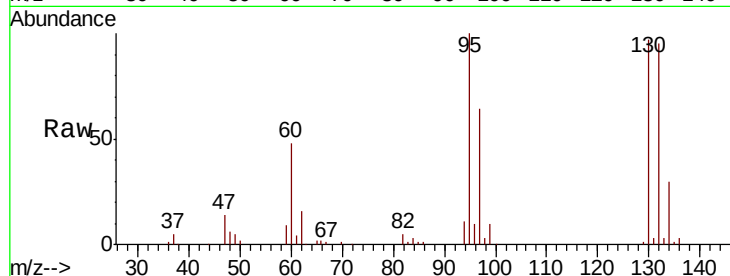
Ion Ratio Lower Upper

95 100

97 63.5 46.6 86.6

132 94.6 64.2 119.2

130 96.9 68.2 126.6

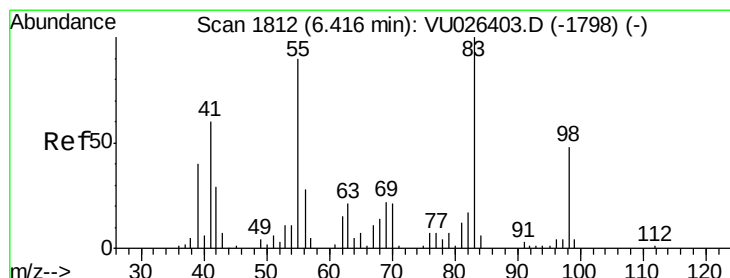
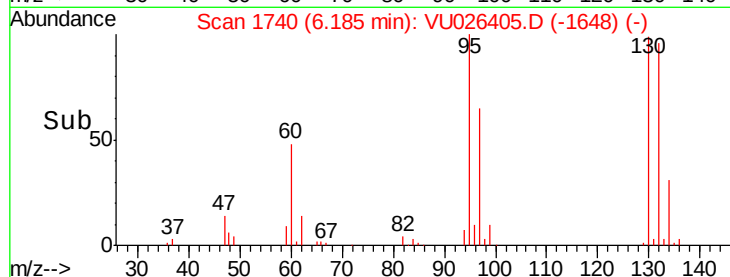
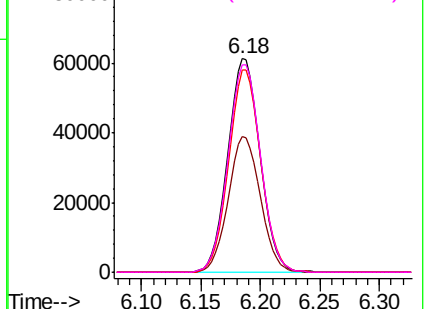


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 22.208 ug/L

RT: 6.42 min Scan# 1812

Delta R.T. 0.00 min

Lab File: VU026405.D

Acq: 28 Aug 2018 17:42

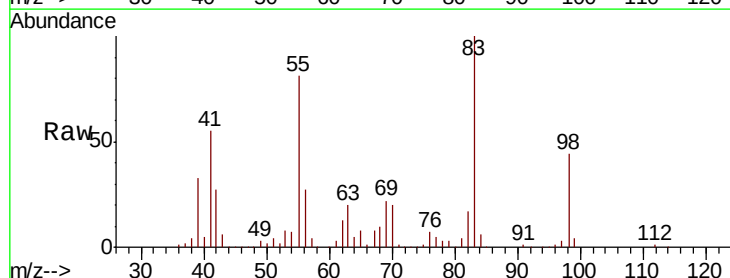
Tgt Ion: 83 Resp: 198581

Ion Ratio Lower Upper

83 100

55 80.8 68.1 102.1

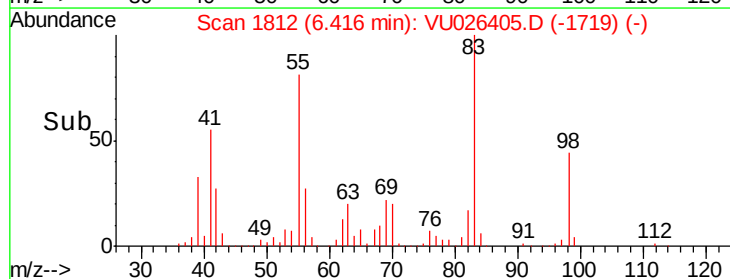
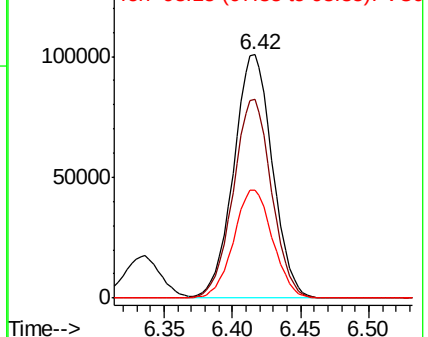
98 44.7 36.0 54.0

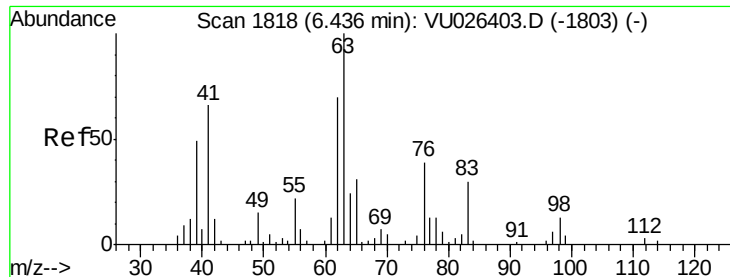


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

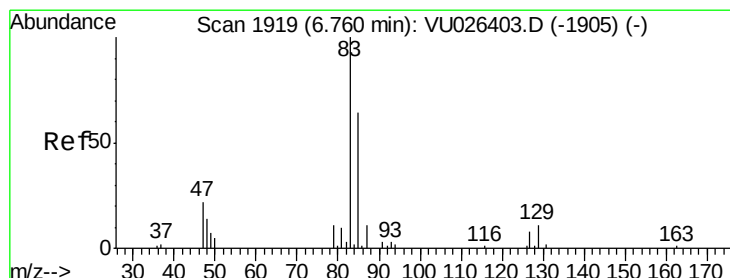
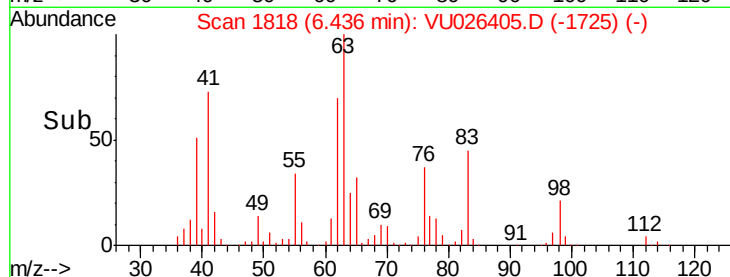
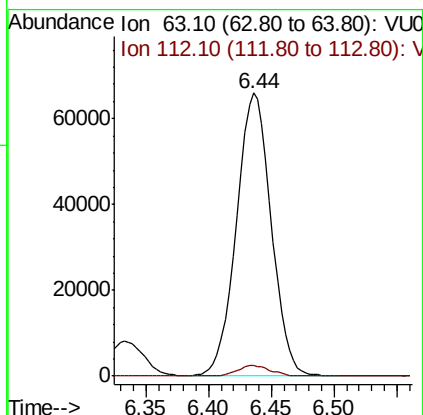
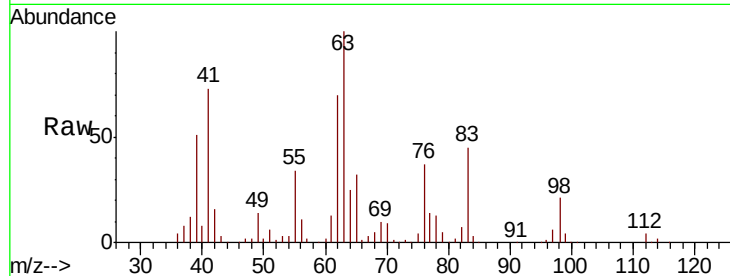




#37
 1,2-Dichloropropane
 Concen: 19.728 ug/L
 RT: 6.44 min Scan# 1818
 Delta R.T. 0.00 min
 Lab File: VU026405.D
 Acq: 28 Aug 2018 17:42

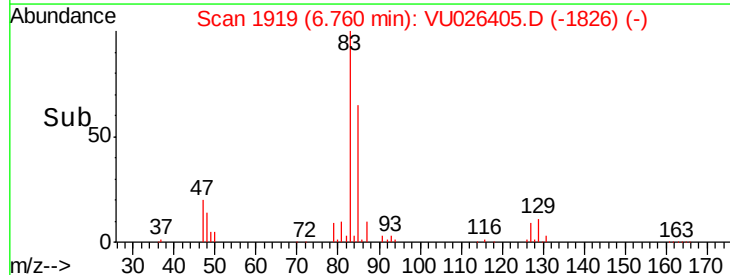
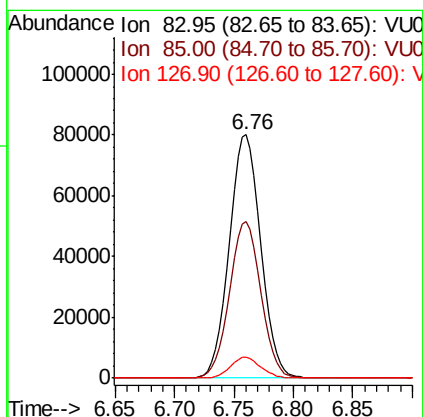
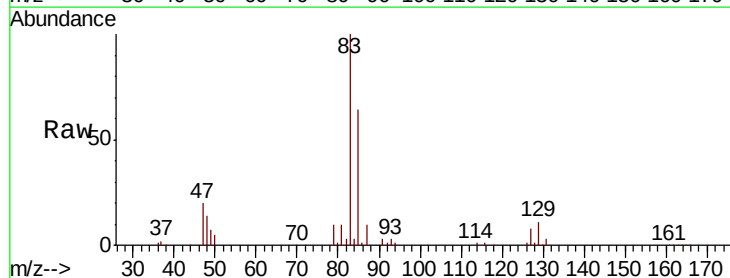
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02046

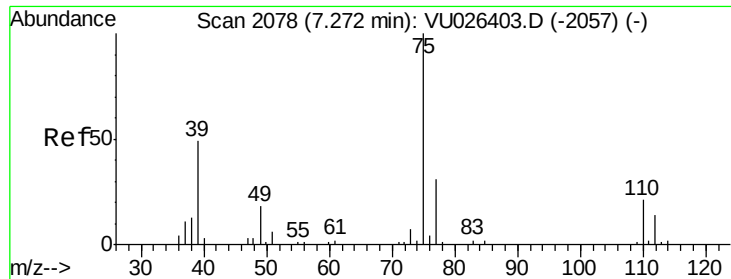
Tgt Ion: 63 Resp: 127336
 Ion Ratio Lower Upper
 63 100
 112 3.6 2.9 4.3



#38
 Bromodichloromethane
 Concen: 19.361 ug/L
 RT: 6.76 min Scan# 1919
 Delta R.T. 0.00 min
 Lab File: VU026405.D
 Acq: 28 Aug 2018 17:42

Tgt Ion: 83 Resp: 146906
 Ion Ratio Lower Upper
 83 100
 85 64.3 44.7 83.1
 127 8.5 6.6 10.0

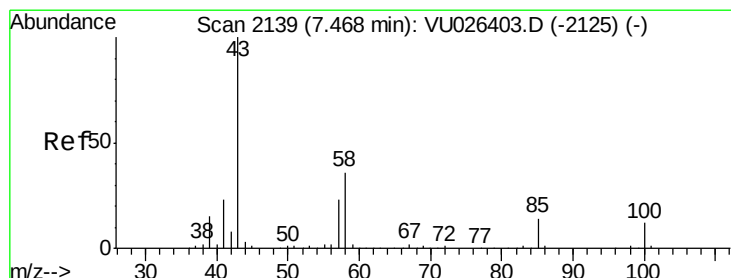
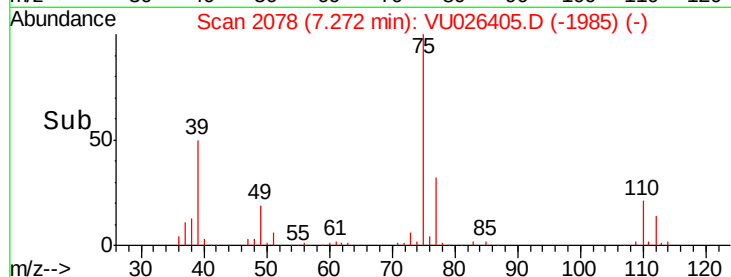
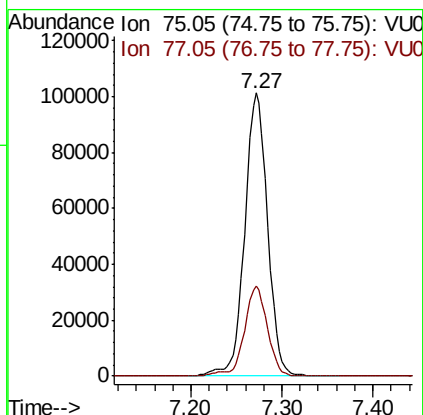
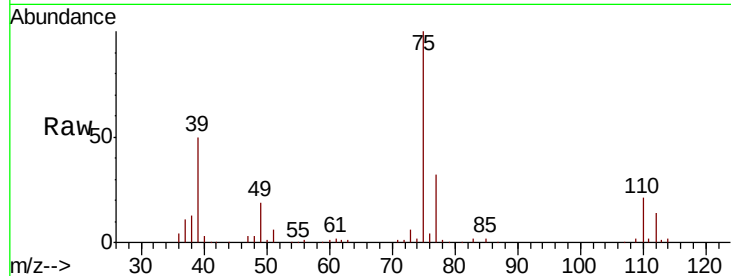




#39
 cis-1,3-Dichloropropene
 Concen: 21.579 ug/L
 RT: 7.27 min Scan# 2078
 Delta R.T. 0.00 min
 Lab File: VU026405.D
 Acq: 28 Aug 2018 17:42

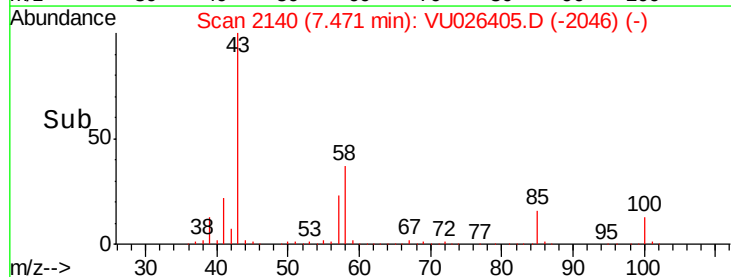
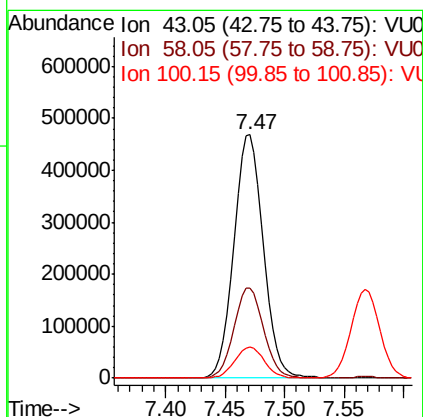
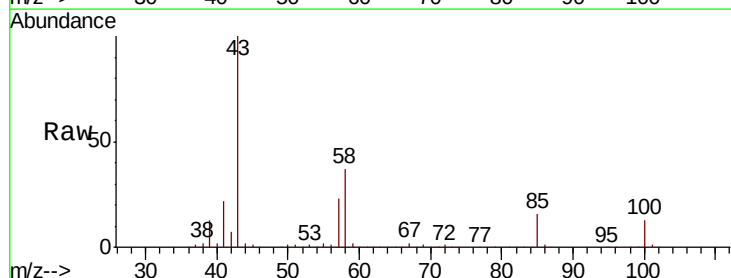
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02046

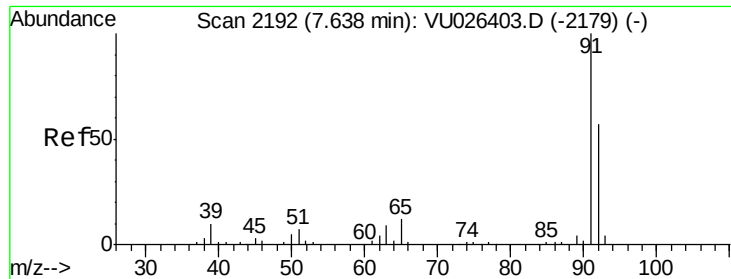
Tgt Ion: 75 Resp: 176896
 Ion Ratio Lower Upper
 75 100
 77 31.7 21.3 39.6



#40
 4-Methyl-2-pentanone
 Concen: 221.368 ug/L
 RT: 7.47 min Scan# 2140
 Delta R.T. 0.00 min
 Lab File: VU026405.D
 Acq: 28 Aug 2018 17:42

Tgt Ion: 43 Resp: 804569
 Ion Ratio Lower Upper
 43 100
 58 37.3 29.3 43.9
 100 12.8 9.8 14.8





#42

Toluene

Concen: 21.021 ug/L

RT: 7.64 min Scan# 2192

Delta R.T. 0.00 min

Lab File: VU026405.D

Acq: 28 Aug 2018 17:42

Instrument :

MSVOA_U

ClientSampleId :

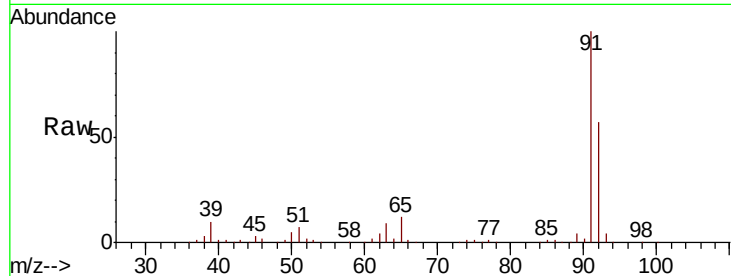
VSTD02046

Tgt Ion: 91 Resp: 498672

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

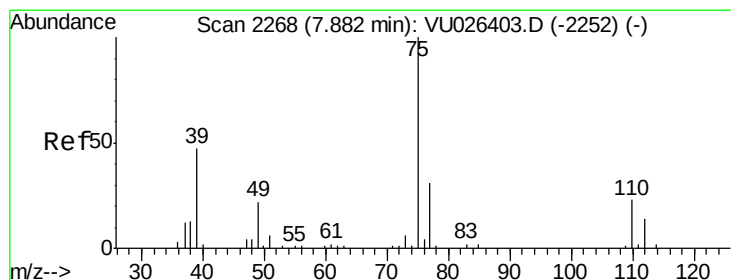
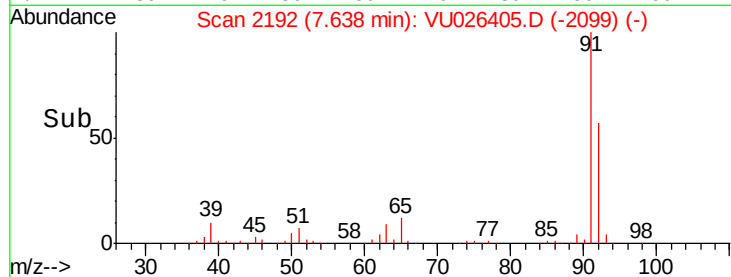
300000

200000

100000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 22.102 ug/L

RT: 7.88 min Scan# 2268

Delta R.T. -0.00 min

Lab File: VU026405.D

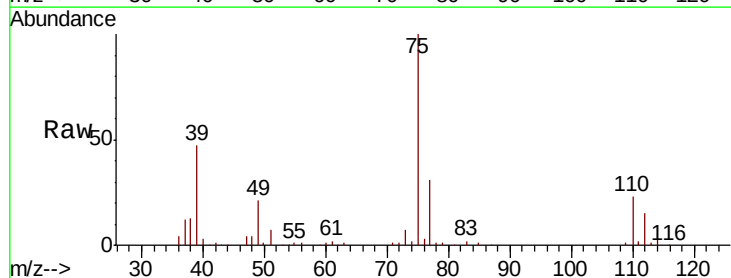
Acq: 28 Aug 2018 17:42

Tgt Ion: 75 Resp: 149275

Ion Ratio Lower Upper

75 100

77 30.8 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

100000

80000

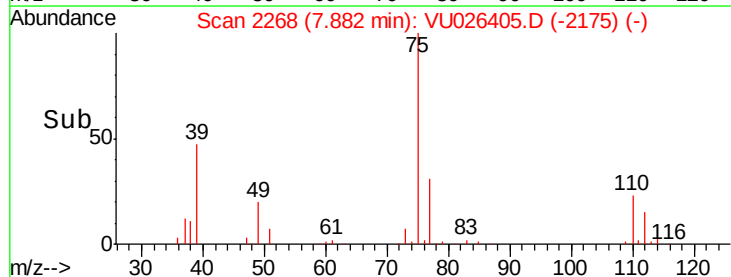
60000

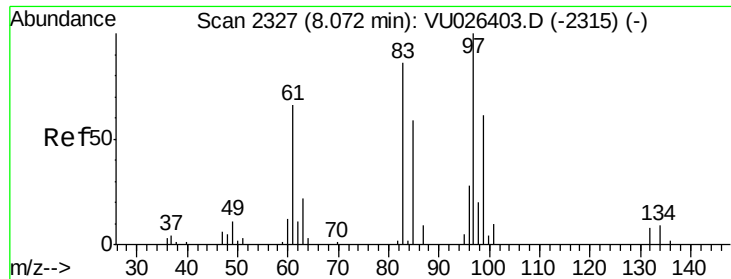
40000

20000

0

Time-->

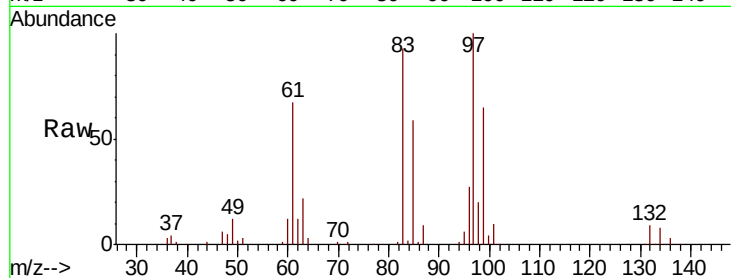




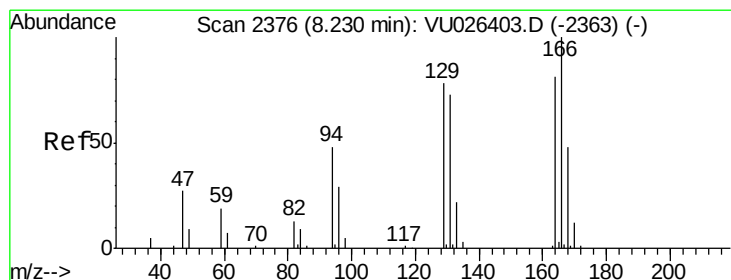
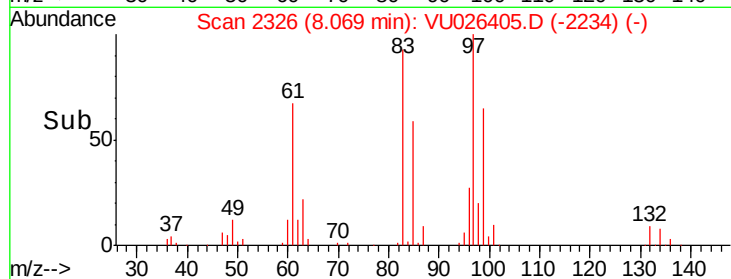
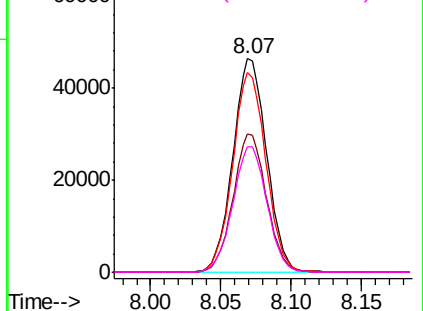
#45
 1,1,2-Trichloroethane
 Concen: 19.252 ug/L
 RT: 8.07 min Scan# 2326
 Delta R.T. -0.00 min
 Lab File: VU026405.D
 Acq: 28 Aug 2018 17:42

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02046

Tgt Ion:	97	Resp:	77958
Ion	Ratio	Lower	Upper
97	100		
99	64.9	42.4	78.8
83	93.3	60.5	112.5
85	58.8	40.9	76.0

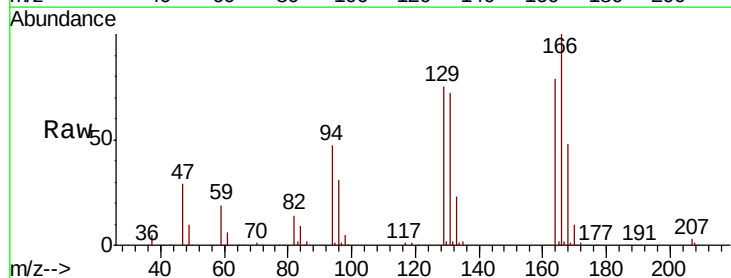


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

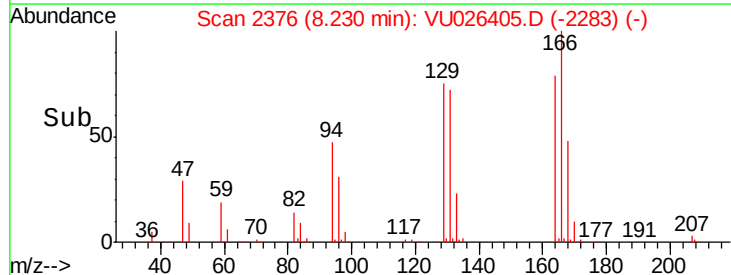
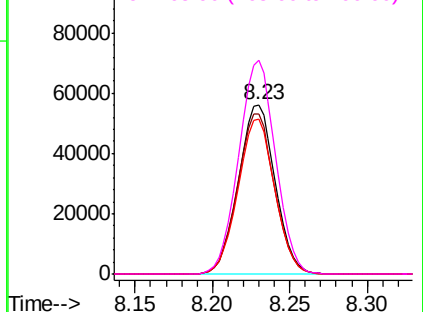


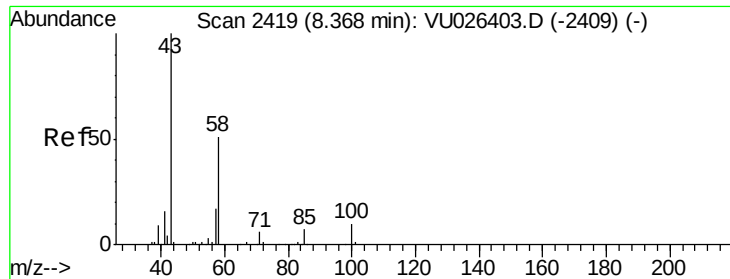
#47
 Tetrachloroethene
 Concen: 19.572 ug/L
 RT: 8.23 min Scan# 2376
 Delta R.T. 0.00 min
 Lab File: VU026405.D
 Acq: 28 Aug 2018 17:42

Tgt Ion:	164	Resp:	92552
Ion	Ratio	Lower	Upper
164	100		
129	94.7	67.8	126.0
131	91.1	63.1	117.3
166	126.0	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

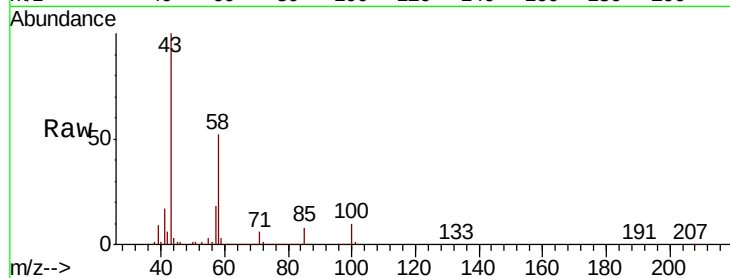




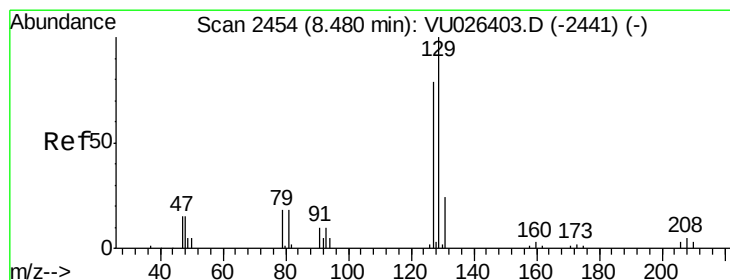
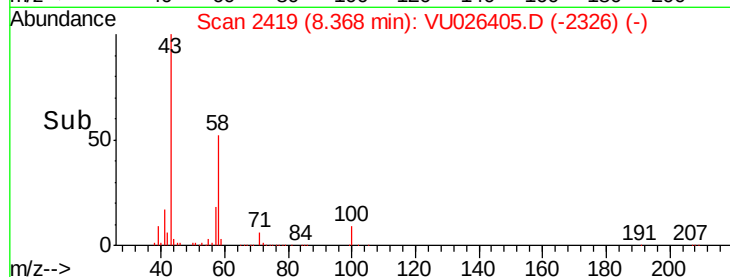
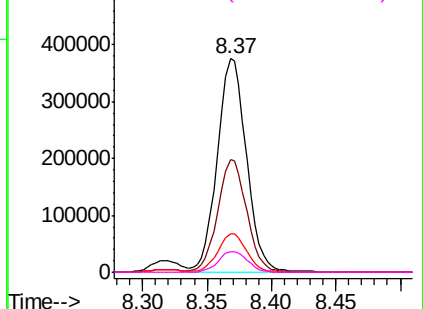
#48
2-Hexanone
Concen: 219.343 ug/L
RT: 8.37 min Scan# 2419
Delta R.T. 0.00 min
Lab File: VU026405.D
Acq: 28 Aug 2018 17:42

Instrument :
MSVOA_U
ClientSampleId :
VSTD02046

Tgt Ion:	43	Resp:	590389
Ion	Ratio	Lower	Upper
43	100		
58	52.5	40.5	60.7
57	17.9	14.0	21.0
100	9.9	7.6	11.4

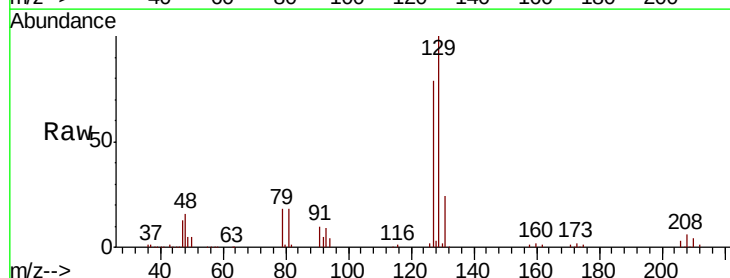


Abundance Ion 43.05 (42.75 to 43.75): VU026405.D (-2326) (-)
Ion 58.05 (57.75 to 58.75): VU026405.D (-2326) (-)
Ion 57.20 (56.90 to 57.90): VU026405.D (-2326) (-)
Ion 100.15 (99.85 to 100.85): VU026405.D (-2326) (-)

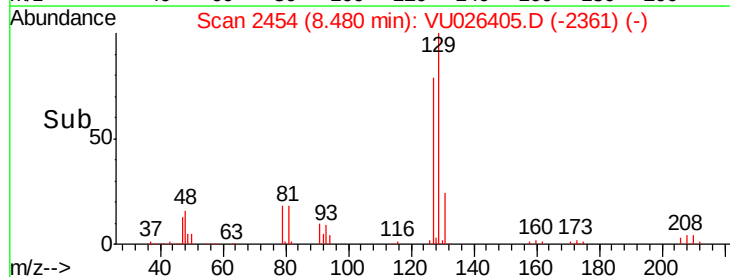
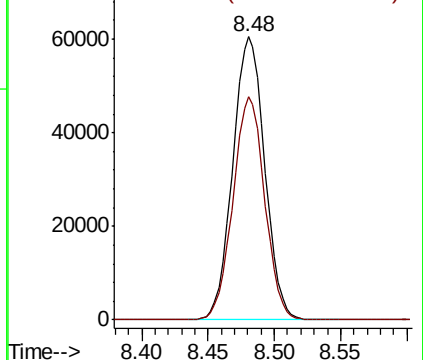


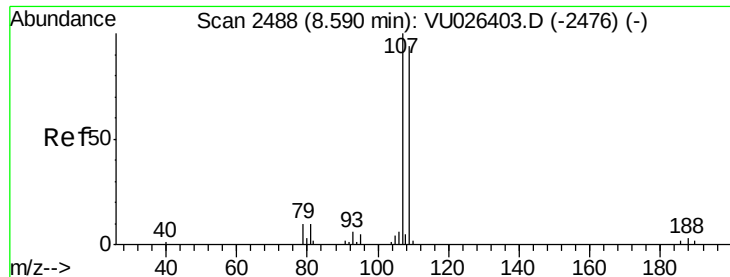
#49
Dibromochloromethane
Concen: 20.502 ug/L
RT: 8.48 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VU026405.D
Acq: 28 Aug 2018 17:42

Tgt Ion:	129	Resp:	101232
Ion	Ratio	Lower	Upper
129	100		
127	79.0	55.6	103.2



Abundance Ion 128.95 (128.65 to 129.65): VU026405.D (-2361) (-)
Ion 126.90 (126.60 to 127.60): VU026405.D (-2361) (-)

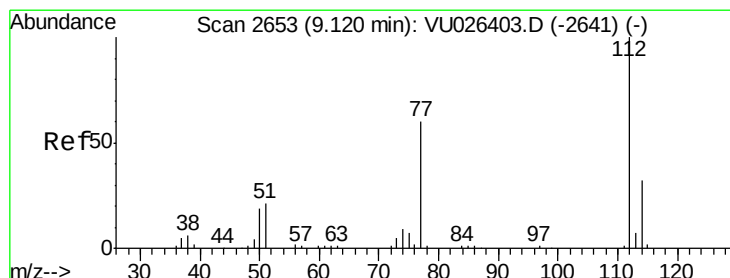
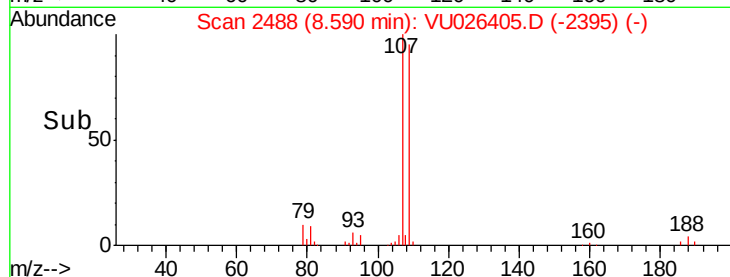
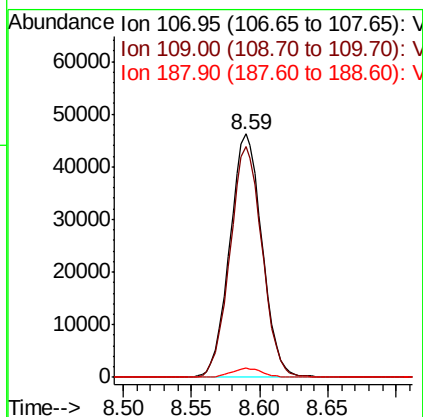
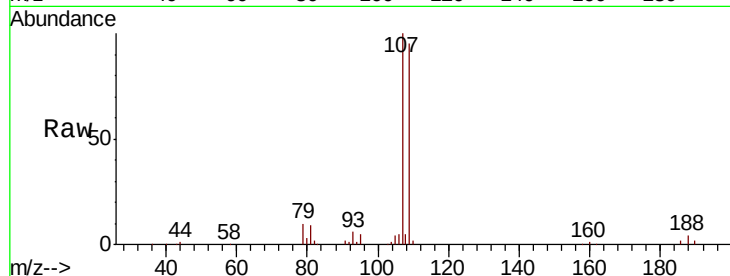




#50
 1,2-Dibromoethane
 Concen: 19.862 ug/L
 RT: 8.59 min Scan# 2488
 Delta R.T. -0.00 min
 Lab File: VU026405.D
 Acq: 28 Aug 2018 17:42

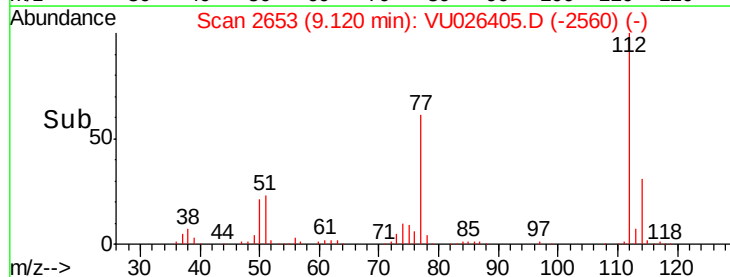
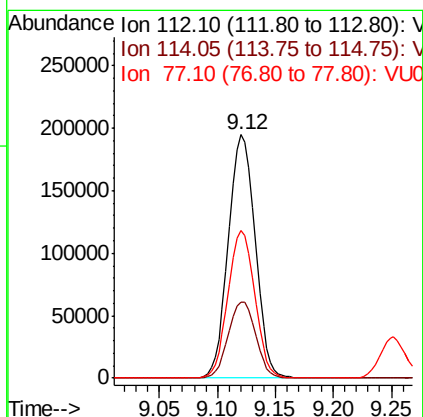
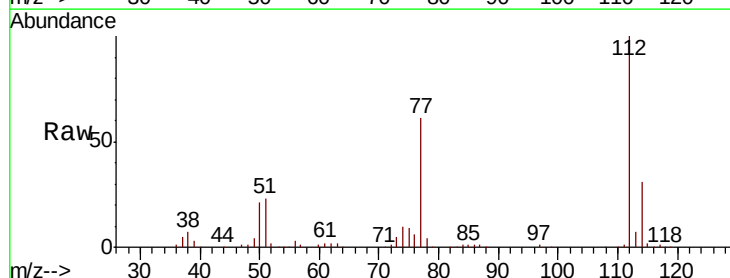
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02046

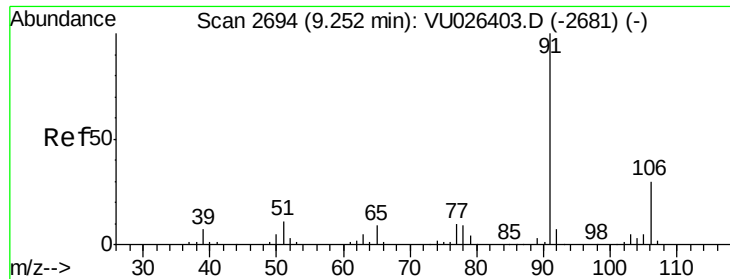
Tgt Ion:107 Resp: 76053
 Ion Ratio Lower Upper
 107 100
 109 94.6 65.7 121.9
 188 3.7 2.7 4.1



#51
 Chlorobenzene
 Concen: 20.282 ug/L
 RT: 9.12 min Scan# 2653
 Delta R.T. 0.00 min
 Lab File: VU026405.D
 Acq: 28 Aug 2018 17:42

Tgt Ion:112 Resp: 312092
 Ion Ratio Lower Upper
 112 100
 114 31.4 22.3 41.3
 77 60.7 48.4 72.6





#52

Ethylbenzene

Concen: 22.158 ug/L

RT: 9.25 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VU026405.D

Acq: 28 Aug 2018 17:42

Instrument :

MSVOA_U

ClientSampleId :

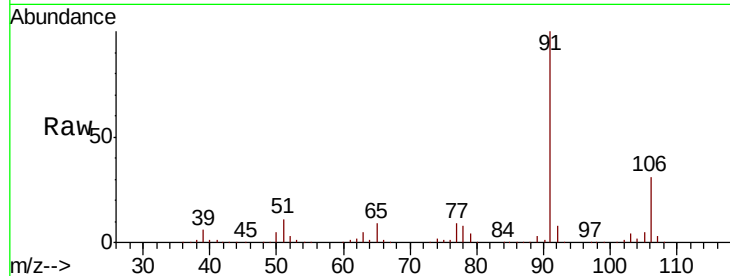
VSTD02046

Tgt Ion: 91 Resp: 557028

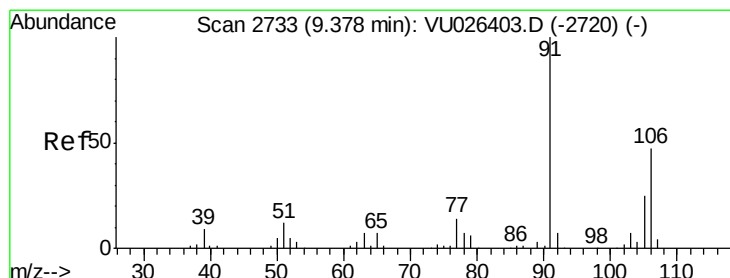
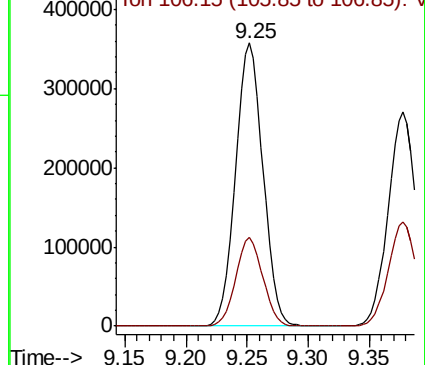
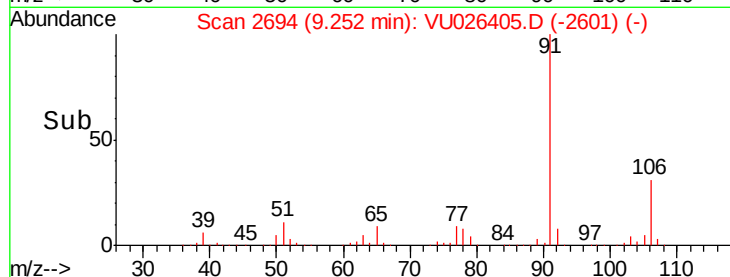
Ion Ratio Lower Upper

91 100

106 31.3 21.2 39.4



Abundance Ion 91.15 (90.85 to 91.85): VU026405.D (-2601) (-)



#53

m,p-xylene

Concen: 22.991 ug/L

RT: 9.38 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VU026405.D

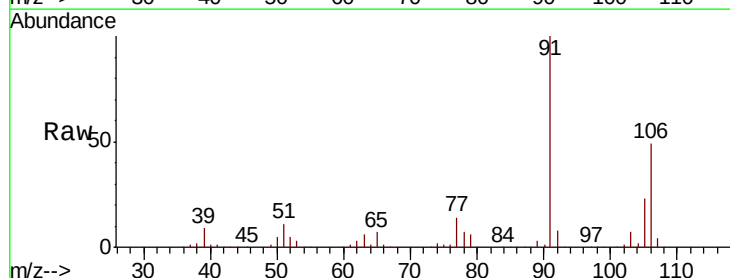
Acq: 28 Aug 2018 17:42

Tgt Ion: 106 Resp: 212591

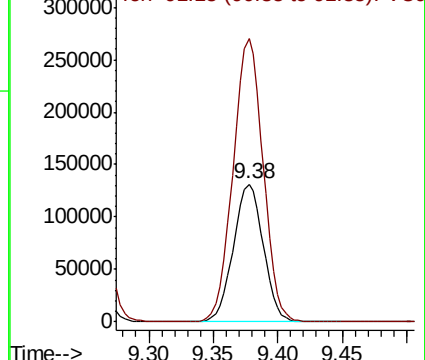
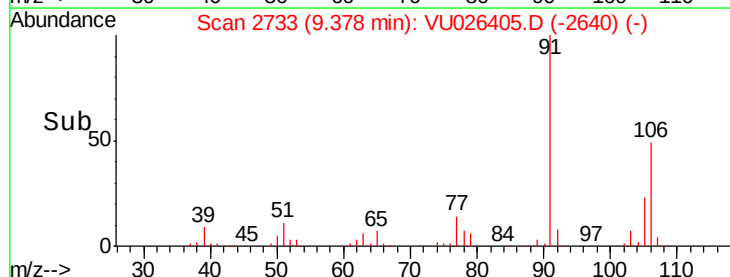
Ion Ratio Lower Upper

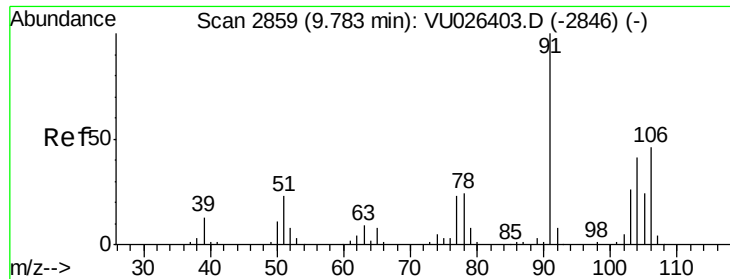
106 100

91 205.1 148.4 275.6



Abundance Ion 106.15 (105.85 to 106.85): VU026405.D (-2640) (-)





#54

o-xylene

Concen: 23.189 ug/L

RT: 9.78 min Scan# 2859

Delta R.T. 0.00 min

Lab File: VU026405.D

Acq: 28 Aug 2018 17:42

Instrument :

MSVOA_U

ClientSampleId :

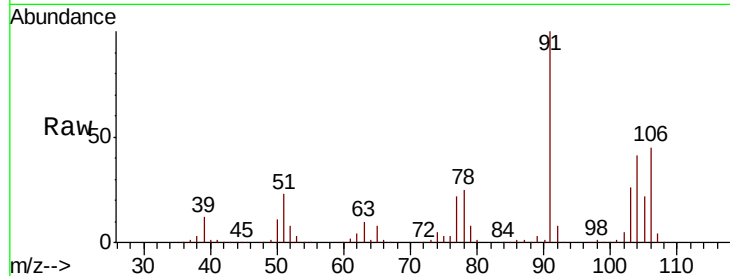
VSTD02046

Tgt Ion:106 Resp: 202854

Ion Ratio Lower Upper

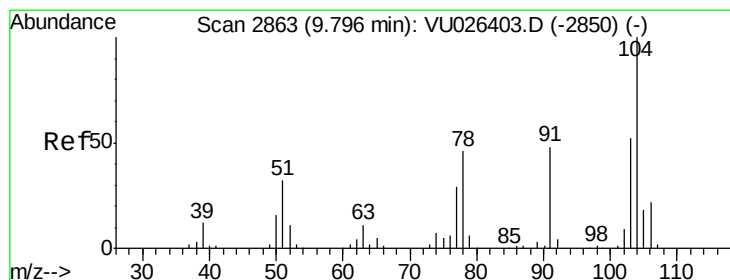
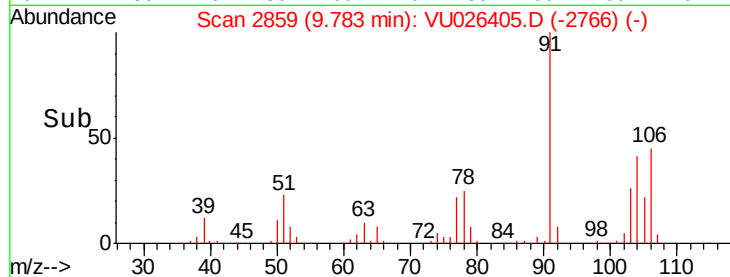
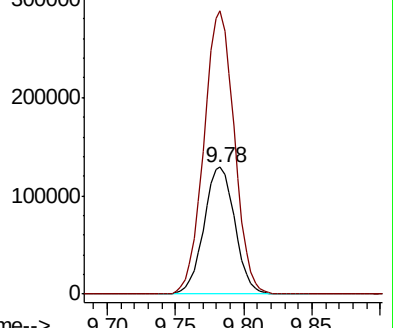
106 100

91 222.7 152.9 283.9



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#55

Styrene

Concen: 23.580 ug/L

RT: 9.80 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VU026405.D

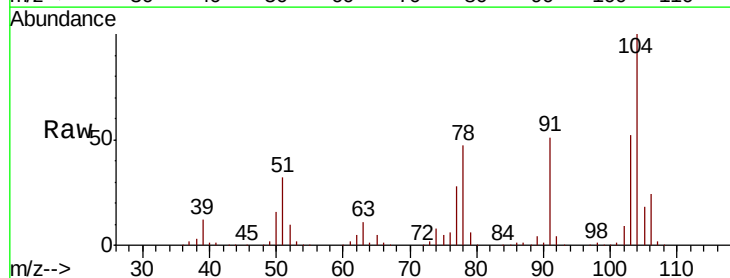
Acq: 28 Aug 2018 17:42

Tgt Ion:104 Resp: 361301

Ion Ratio Lower Upper

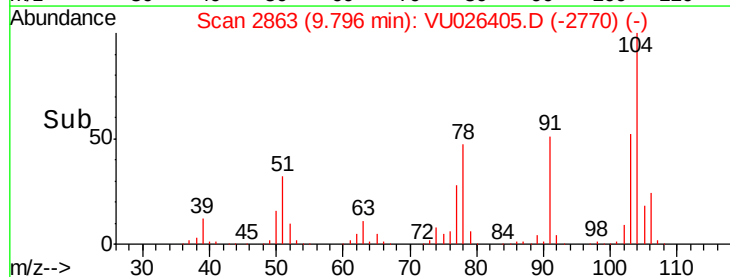
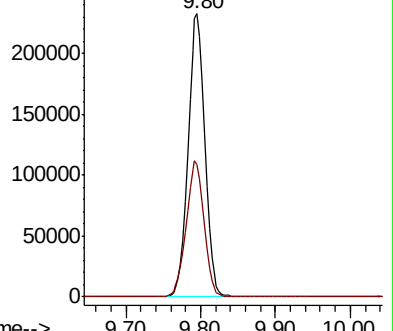
104 100

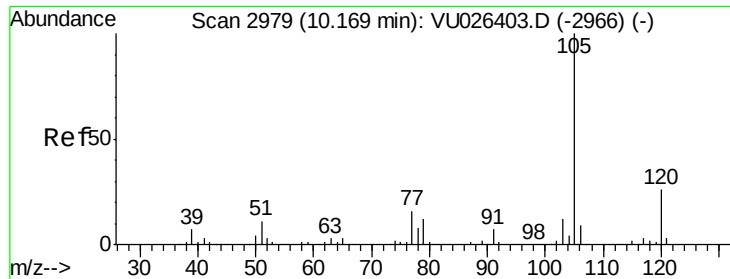
78 46.9 32.4 60.2



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 23.445 ug/L

RT: 10.17 min Scan# 2979

Delta R.T. -0.00 min

Lab File: VU026405.D

Acq: 28 Aug 2018 17:42

Instrument :

MSVOA_U

ClientSampleId :

VSTD02046

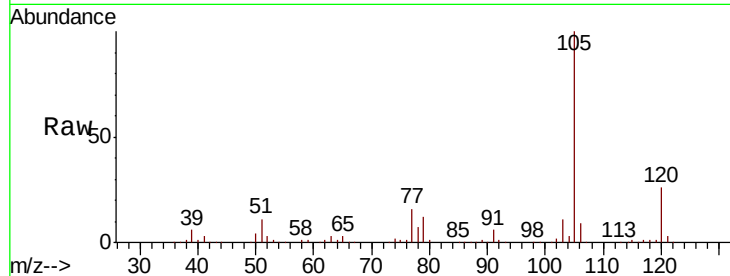
Tgt Ion: 105 Resp: 545537

Ion Ratio Lower Upper

105 100

120 26.4 20.8 31.2

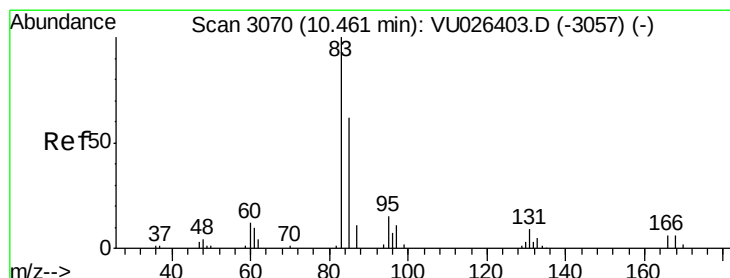
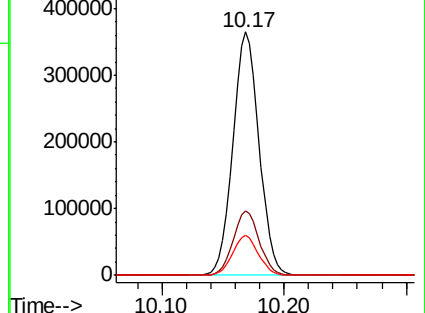
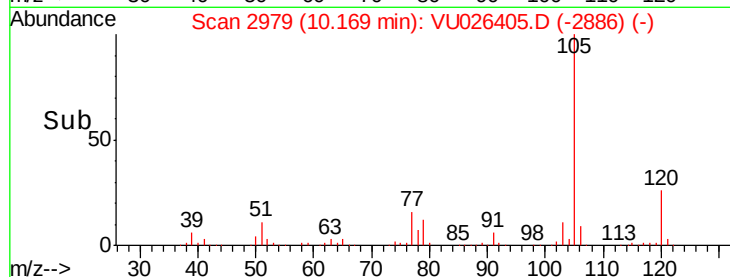
77 16.3 13.4 20.2



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: 20.266 ug/L

RT: 10.46 min Scan# 3069

Delta R.T. -0.00 min

Lab File: VU026405.D

Acq: 28 Aug 2018 17:42

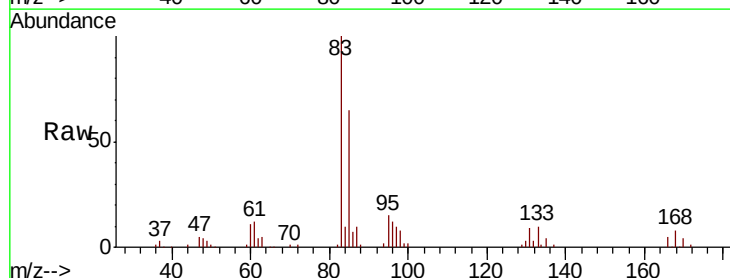
Tgt Ion: 83 Resp: 107543

Ion Ratio Lower Upper

83 100

85 65.4 44.1 81.9

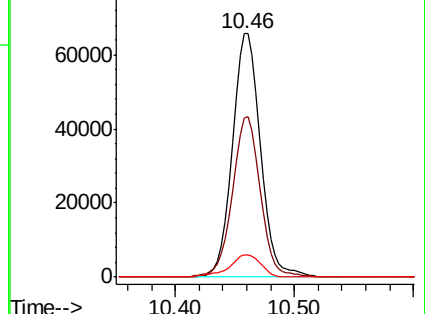
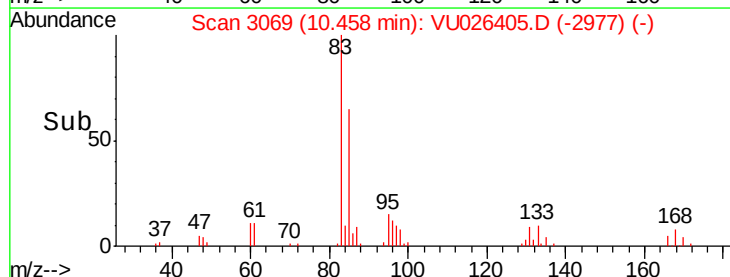
131 9.3 7.3 10.9

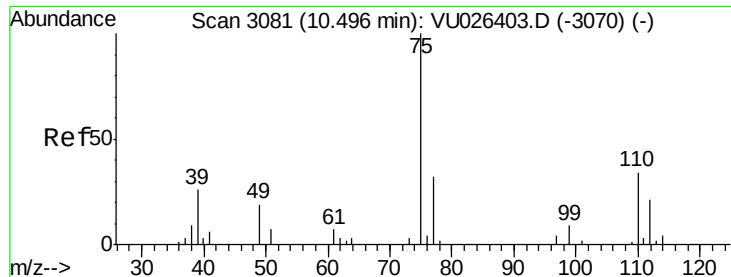


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

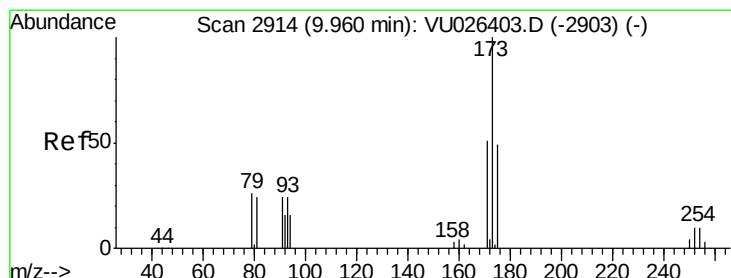
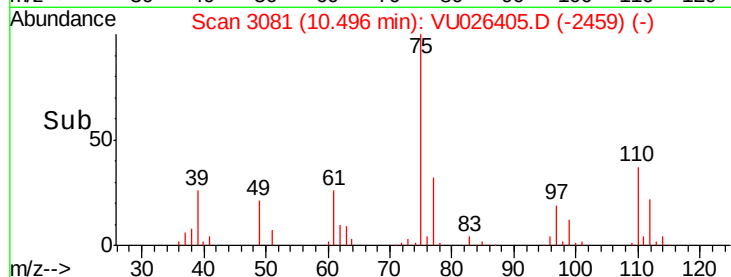
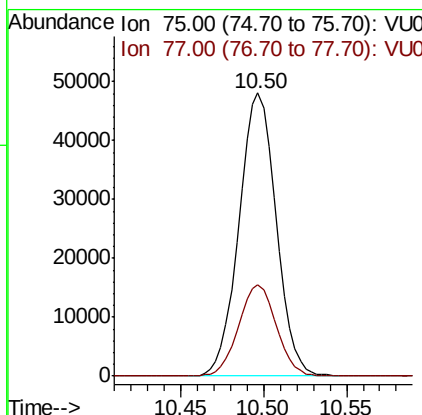
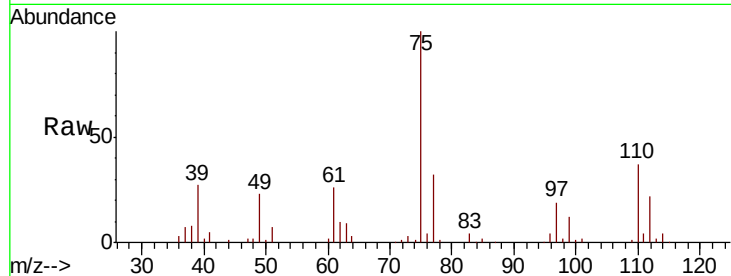




#59
 1,2,3-Trichloropropane
 Concen: 20.145 ug/L
 RT: 10.50 min Scan# 3081
 Delta R.T. 0.00 min
 Lab File: VU026405.D
 Acq: 28 Aug 2018 17:42

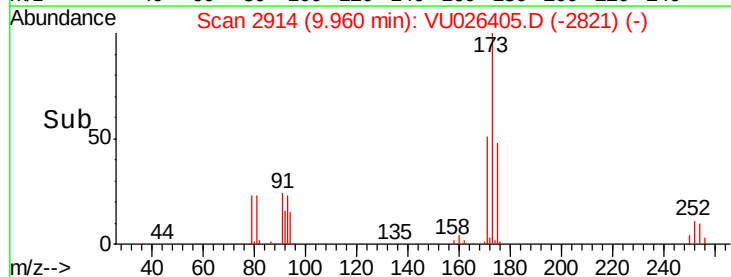
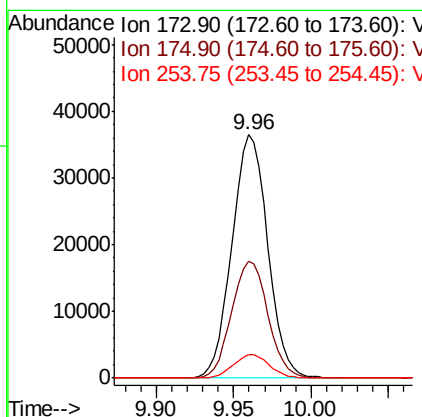
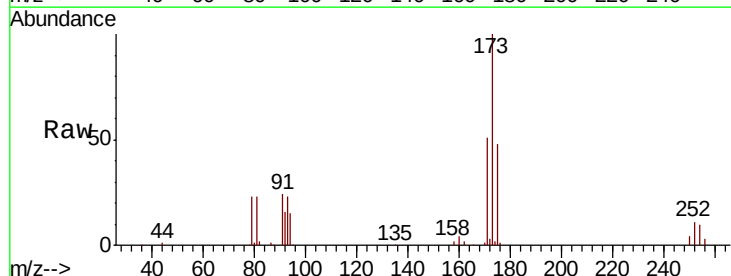
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02046

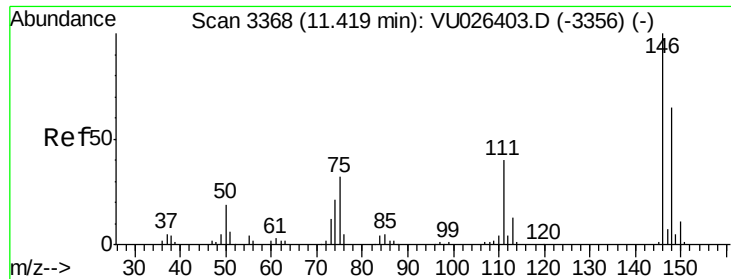
Tgt Ion: 75 Resp: 75132
 Ion Ratio Lower Upper
 75 100
 77 32.7 25.0 37.4



#61
 Bromoform
 Concen: 19.563 ug/L
 RT: 9.96 min Scan# 2914
 Delta R.T. 0.00 min
 Lab File: VU026405.D
 Acq: 28 Aug 2018 17:42

Tgt Ion: 173 Resp: 58476
 Ion Ratio Lower Upper
 173 100
 175 48.8 40.0 60.0
 254 9.7 7.9 11.9

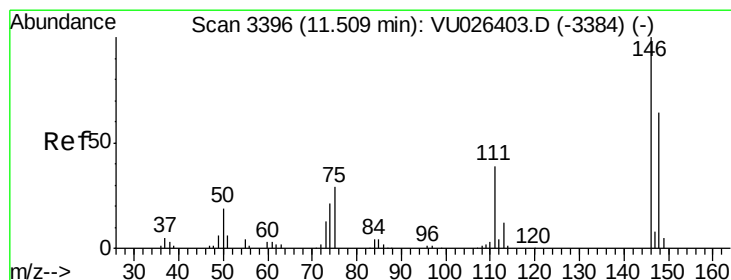
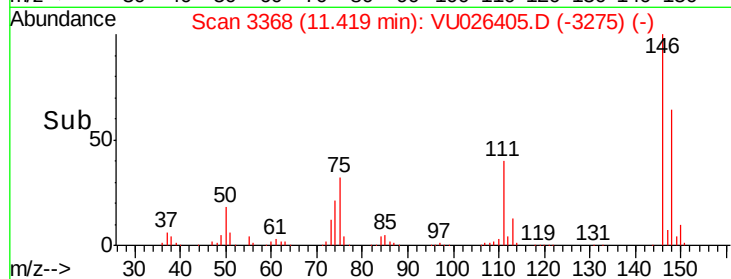
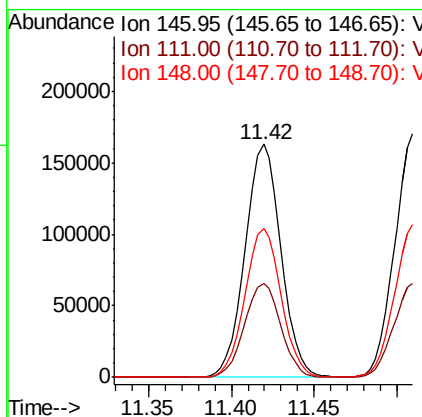
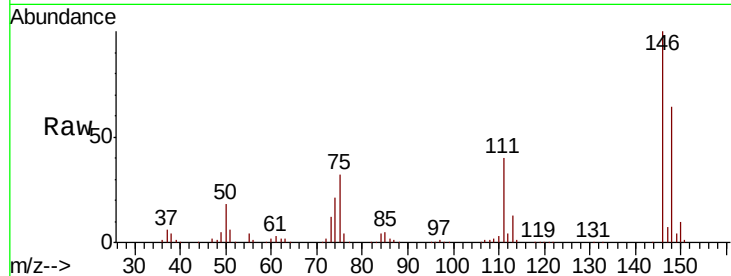




#62
 1,3-Dichlorobenzene
 Concen: 20.142 ug/L
 RT: 11.42 min Scan# 3368
 Delta R.T. -0.00 min
 Lab File: VU026405.D
 Acq: 28 Aug 2018 17:42

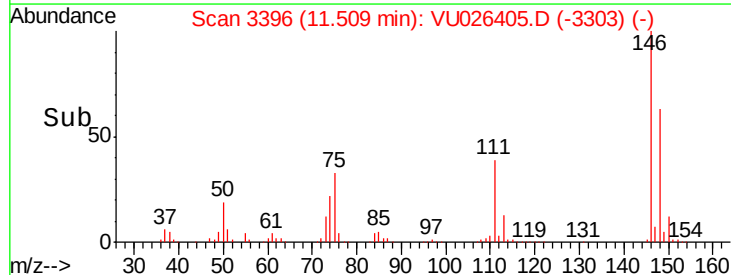
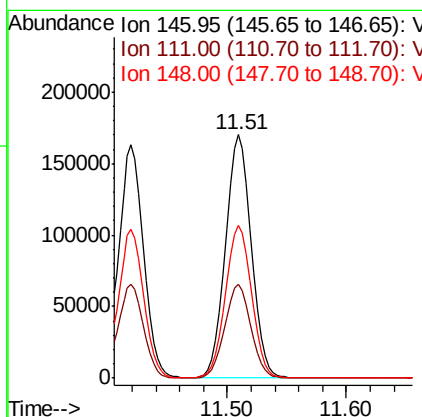
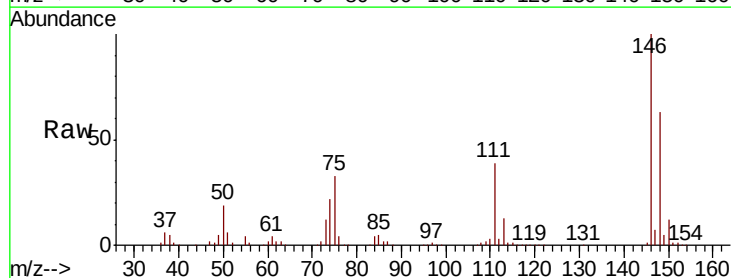
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02046

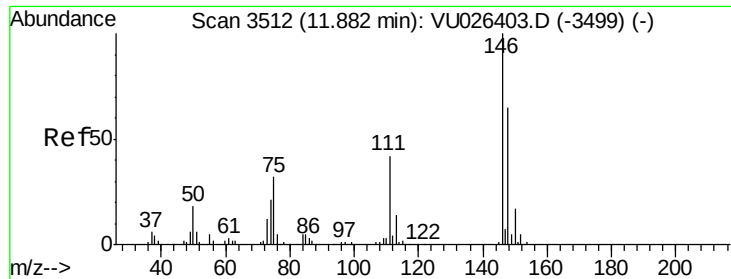
Tgt Ion:146 Resp: 245199
 Ion Ratio Lower Upper
 146 100
 111 40.3 28.1 52.1
 148 63.8 45.4 84.4



#63
 1,4-Dichlorobenzene
 Concen: 19.961 ug/L
 RT: 11.51 min Scan# 3396
 Delta R.T. 0.00 min
 Lab File: VU026405.D
 Acq: 28 Aug 2018 17:42

Tgt Ion:146 Resp: 255590
 Ion Ratio Lower Upper
 146 100
 111 38.5 27.2 50.4
 148 62.5 44.9 83.5

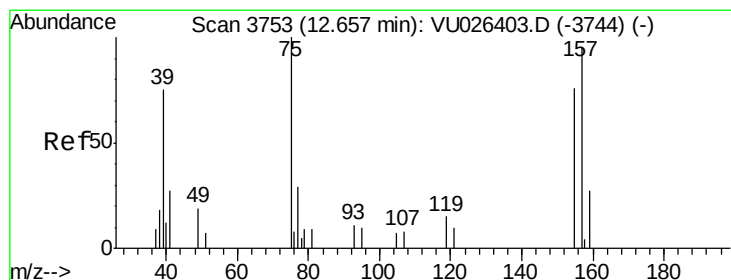
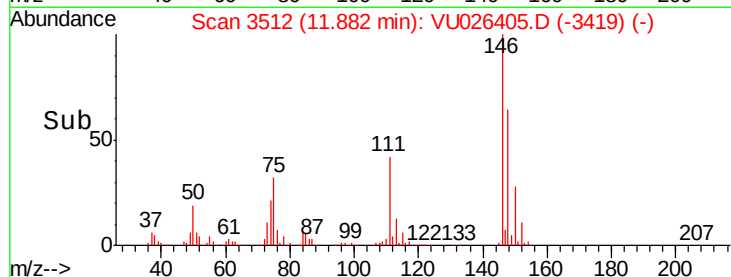
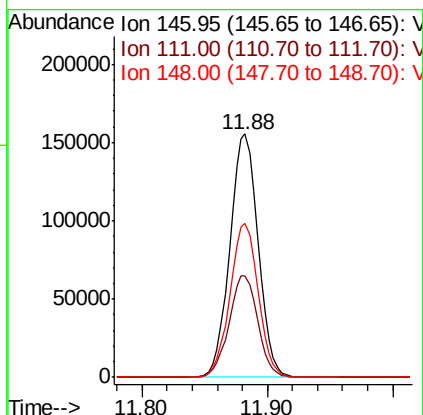
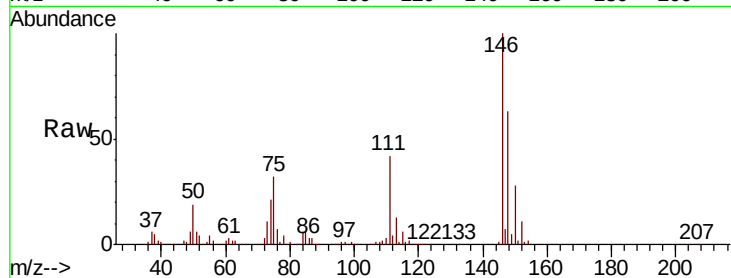




#65
 1,2-Dichlorobenzene
 Concen: 20.164 ug/L
 RT: 11.88 min Scan# 3512
 Delta R.T. 0.00 min
 Lab File: VU026405.D
 Acq: 28 Aug 2018 17:42

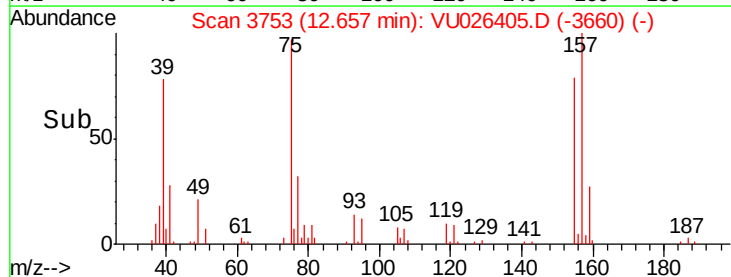
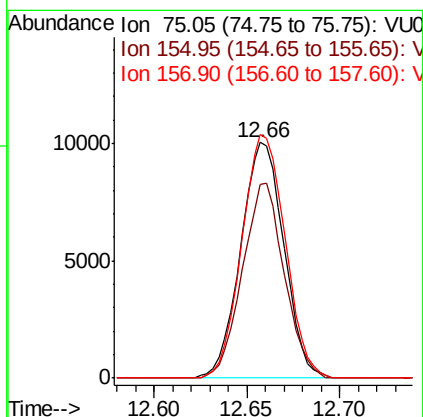
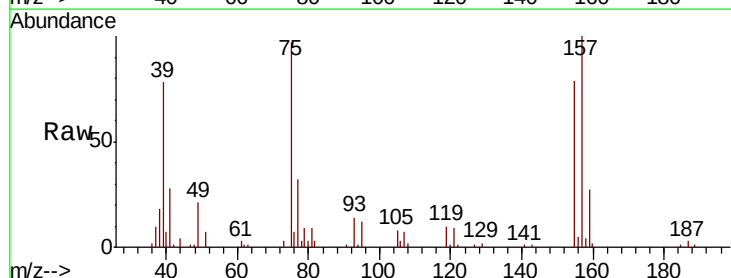
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02046

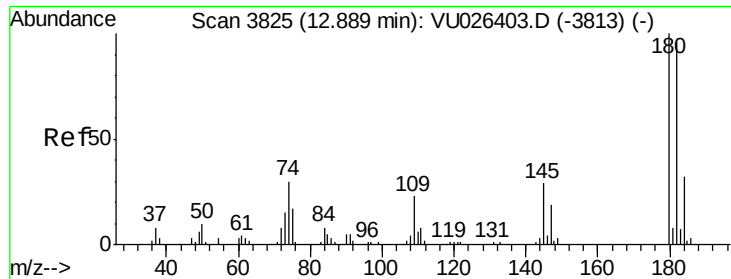
Tgt Ion: 146 Resp: 242602
 Ion Ratio Lower Upper
 146 100
 111 41.7 33.7 50.5
 148 63.4 51.9 77.9



#66
 1,2-Dibromo-3-chloropropane
 Concen: 20.171 ug/L
 RT: 12.66 min Scan# 3753
 Delta R.T. 0.00 min
 Lab File: VU026405.D
 Acq: 28 Aug 2018 17:42

Tgt Ion: 75 Resp: 16232
 Ion Ratio Lower Upper
 75 100
 155 82.0 60.8 91.2
 157 103.4 75.9 113.9

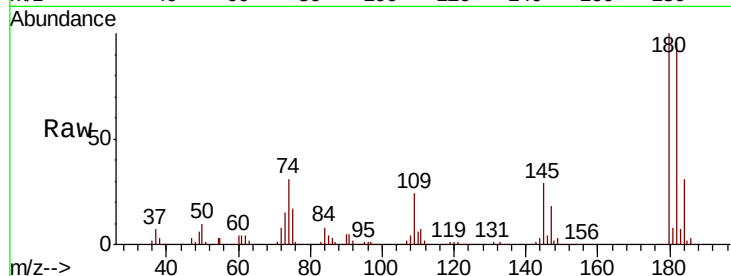




#67
 1,3,5-Trichlorobenzene
 Concen: 20.238 ug/L
 RT: 12.89 min Scan# 3825
 Delta R.T. 0.00 min
 Lab File: VU026405.D
 Acq: 28 Aug 2018 17:42

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02046

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	78.0	117.0
184	30.5	25.0	37.6
145	28.2	22.9	34.3



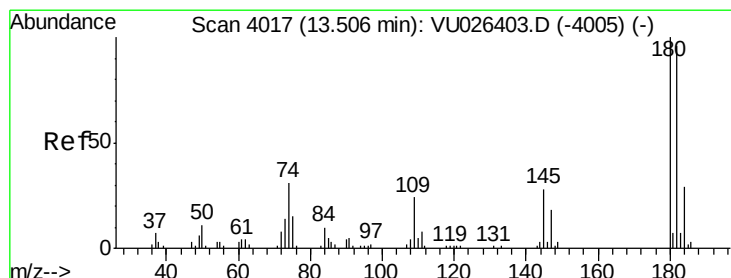
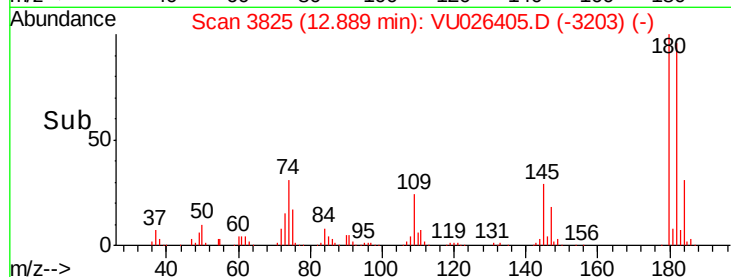
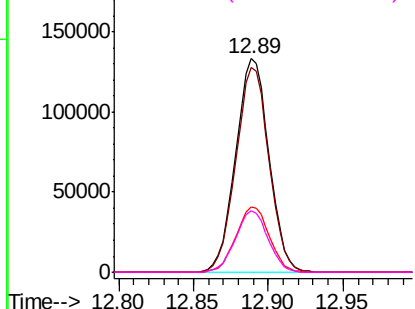
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

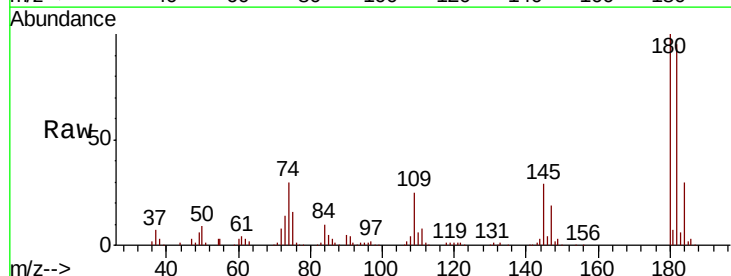
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 21.246 ug/L
 RT: 13.51 min Scan# 4017
 Delta R.T. -0.00 min
 Lab File: VU026405.D
 Acq: 28 Aug 2018 17:42

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.1	76.9	115.3
145	29.2	23.6	35.4

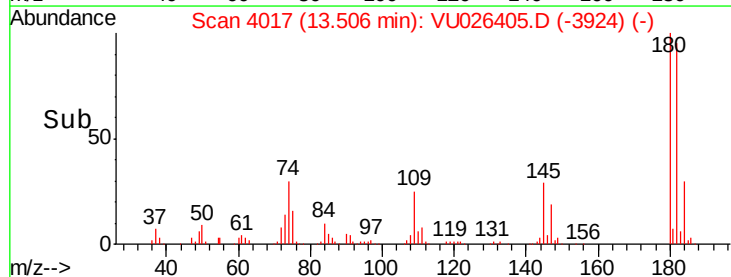
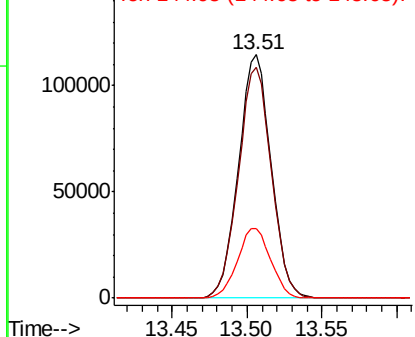


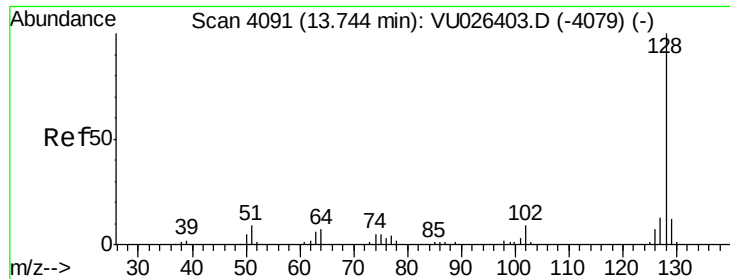
Abundance

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: 23.883 ug/L

RT: 13.74 min Scan# 4091

Delta R.T. -0.00 min

Lab File: VU026405.D

Acq: 28 Aug 2018 17:42

Instrument :

MSVOA_U

ClientSampleId :

VSTD02046

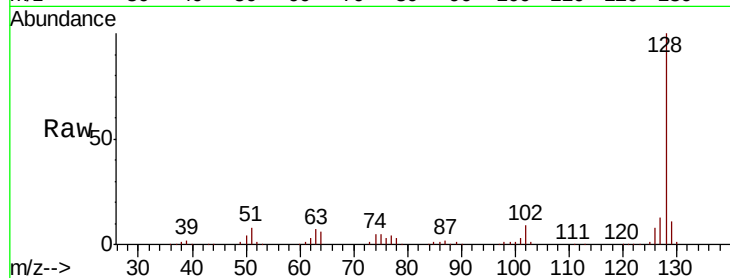
Tgt Ion:128 Resp: 298360

Ion Ratio Lower Upper

128 100

129 10.8 9.0 13.6

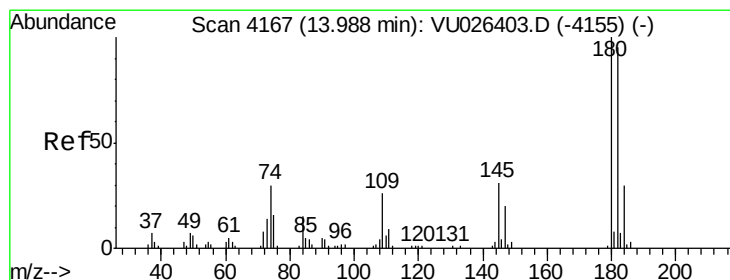
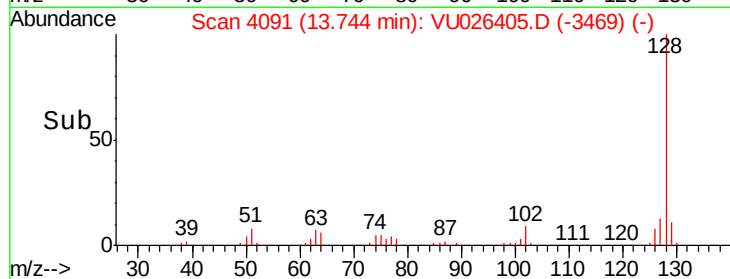
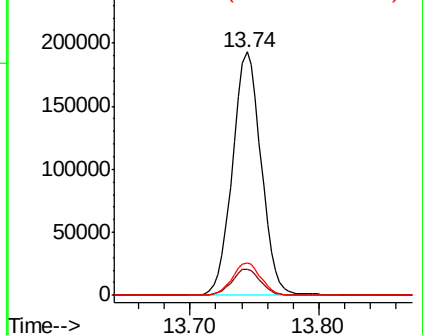
127 13.3 10.6 15.8



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: 21.333 ug/L

RT: 13.99 min Scan# 4167

Delta R.T. 0.00 min

Lab File: VU026405.D

Acq: 28 Aug 2018 17:42

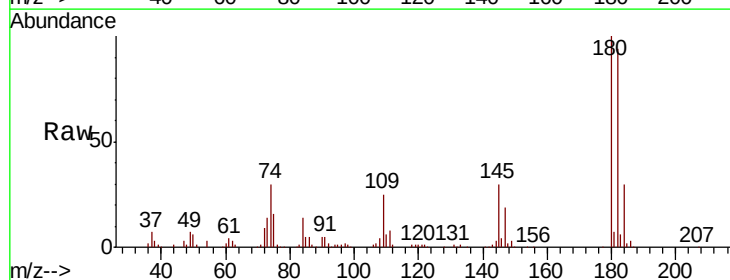
Tgt Ion:180 Resp: 161446

Ion Ratio Lower Upper

180 100

182 94.3 75.4 113.2

145 30.7 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

