

Data File : VU026820.D
Acq On : 17 Sep 2018 13:14
Operator : MD/SY
Sample : VSTD01050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD01050

Quant Time: Sep 18 00:58:25 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091718WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Sep 18 00:50:30 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	234390	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	228200	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	101153	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	18378	10.60	ug/L	0.00
7) Chloroethane-d5	1.68	69	16252	10.95	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.28	63	34102	10.39	ug/L	0.00
21) 2-Butanone-d5	4.18	46	21998	19.12	ug/L	0.00
24) Chloroform-d	4.65	84	32246	10.03	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	21599	10.67	ug/L	0.00
32) Benzene-d6	5.34	84	63146	9.87	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.33	67	20874	10.13	ug/L	0.00
41) Toluene-d8	7.57	98	54150	9.37	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	8760	9.52	ug/L	0.00
47) 2-Hexanone-d5	8.31	63	12697	15.68	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.43	84	29095	10.13	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	21572	10.25	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	22922	10.348	ug/L	100
3) Chloromethane	1.33	50	24297	10.753	ug/L	99
5) Vinyl chloride	1.40	62	22164	10.079	ug/L	96
6) Bromomethane	1.63	94	10595	9.755	ug/L	97
8) Chloroethane	1.70	64	14584	10.583	ug/L	99
9) Trichlorofluoromethane	1.89	101	28412	10.399	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	16675	10.303	ug/L	100
12) 1,1-Dichloroethene	2.29	96	15680	10.316	ug/L	95
13) Acetone	2.32	43	23914	21.145	ug/L	97
14) Carbon disulfide	2.48	76	53823	10.261	ug/L	98
15) Methyl Acetate	2.62	43	19982	10.198	ug/L	99
16) Methylene chloride	2.70	84	19982	10.341	ug/L	100
17) trans-1,2-Dichloroethene	2.98	96	16528	9.873	ug/L	95
18) Methyl tert-butyl Ether	3.00	73	44835	9.158	ug/L	98
19) 1,1-Dichloroethane	3.45	63	32893	10.187	ug/L	98
20) cis-1,2-Dichloroethene	4.23	96	17510	9.510	ug/L	95
22) 2-Butanone	4.27	43	25523	18.300	ug/L	99
23) Bromochloromethane	4.55	128	10101	10.161	ug/L	98
25) Chloroform	4.68	83	33863	10.355	ug/L	95
27) 1,2-Dichloroethane	5.41	62	25840	10.125	ug/L	95
29) Cyclohexane	5.00	56	21983	8.297	ug/L	98
30) 1,1,1-Trichloroethane	4.92	97	27290	10.052	ug/L	98
31) Carbon tetrachloride	5.14	117	24930	10.247	ug/L	97
33) Benzene	5.39	78	67815	9.585	ug/L	100
34) Trichloroethene	6.19	95	16701	9.837	ug/L	99
35) Methylcyclohexane	6.42	83	22824	8.247	ug/L	95
37) 1,2-Dichloropropane	6.43	63	19242	9.901	ug/L	99
38) Bromodichloromethane	6.76	83	24239	10.057	ug/L	98
39) cis-1,3-Dichloropropene	7.27	75	23595	8.594	ug/L	100
40) 4-Methyl-2-pentanone	7.46	43	39927	17.290	ug/L	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.64	91	65936	9.209	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	22854	8.891	ug/L	99
45) 1,1,2-Trichloroethane	8.07	97	17566	9.914	ug/L	99
46) Tetrachloroethene	8.23	164	14500	9.634	ug/L	97
48) 2-Hexanone	8.37	43	32088	17.226	ug/L	94
49) Dibromochloromethane	8.48	129	19780	9.862	ug/L	99
50) 1,2-Dibromoethane	8.59	107	18224	9.865	ug/L	100
51) Chlorobenzene	9.12	112	47100	9.695	ug/L	98
52) Ethylbenzene	9.25	91	63647	8.486	ug/L	99
53) m,p-Xylene	9.38	106	23865	8.277	ug/L	97
54) o-xylene	9.78	106	22965	8.175	ug/L	95
55) Styrene	9.79	104	38853	8.011	ug/L	99
56) Isopropylbenzene	10.17	105	57692	8.040	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.46	83	29959	10.052	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	23397	10.050	ug/L	99
61) Bromoform	9.96	173	14263	10.723	ug/L	98
62) 1,3-Dichlorobenzene	11.42	146	29379	9.527	ug/L	99
63) 1,4-Dichlorobenzene	11.51	146	34011	10.017	ug/L	97
65) 1,2-Dichlorobenzene	11.88	146	34688	10.159	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.66	75	5569	10.751	ug/L	92
67) 1,3,5-Trichlorobenzene	12.89	180	21984	9.213	ug/L	98
68) 1,2,4-trichlorobenzene	13.50	180	17654	8.585	ug/L	96
69) Naphthalene	13.75	128	45491	7.509	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	19964	8.816	ug/L	96

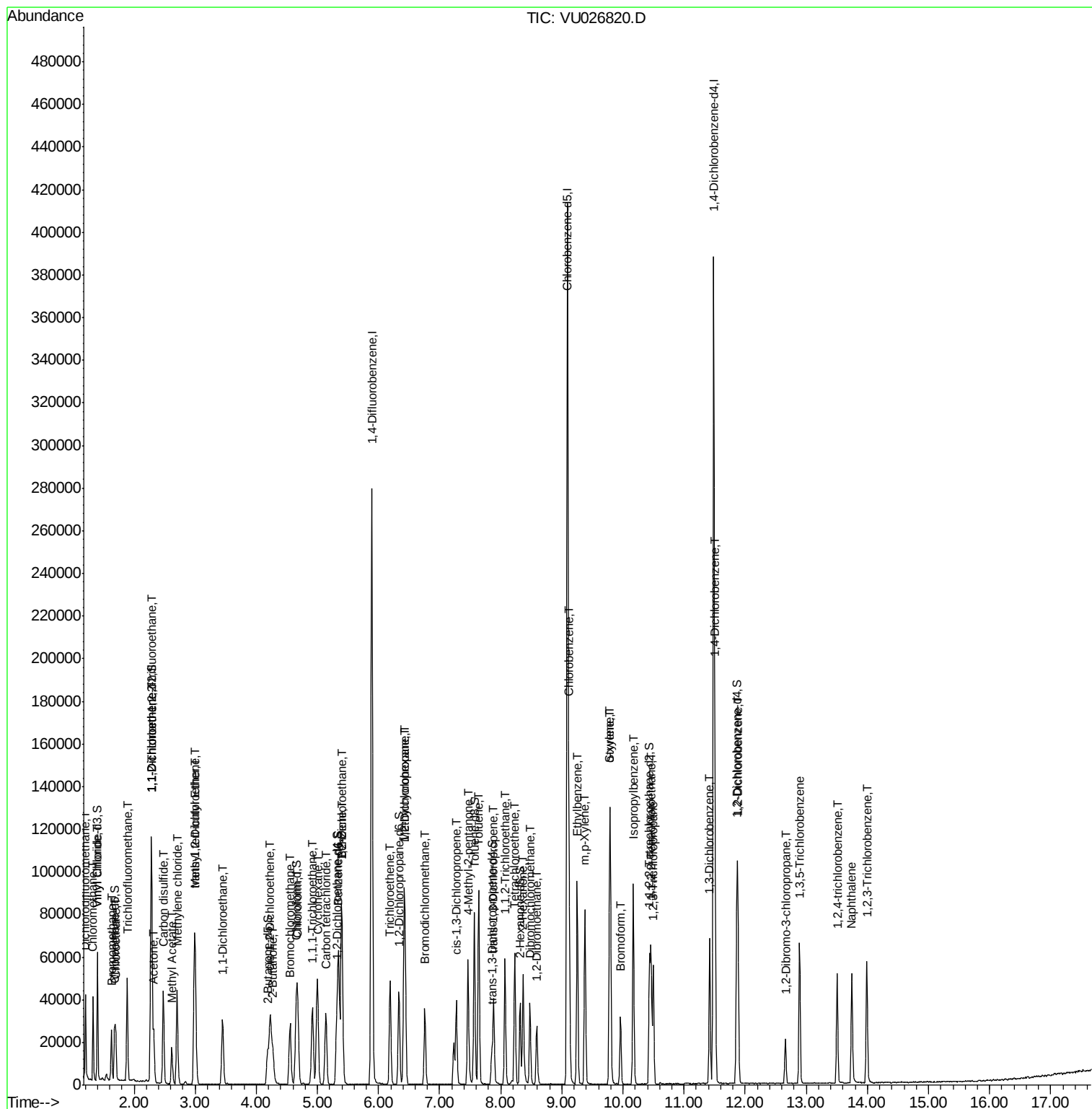
(#) = qualifier out of range (m) = manual integration (+) = signals summed

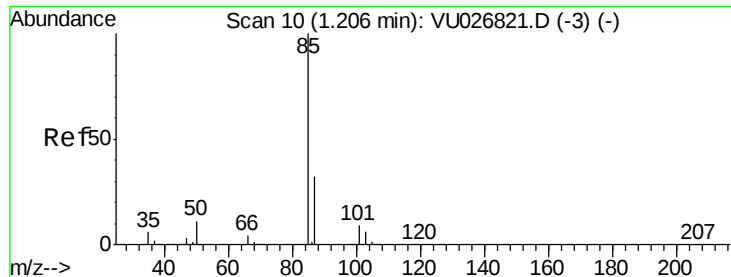
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#2

Dichlorodifluoromethane

Concen: 10.348 ug/L

RT: 1.21 min Scan# 10

Delta R.T. -0.00 min

Lab File: VU026820.D

Acq: 17 Sep 2018 13:14

Instrument :

MSVOA_U

ClientSampleId :

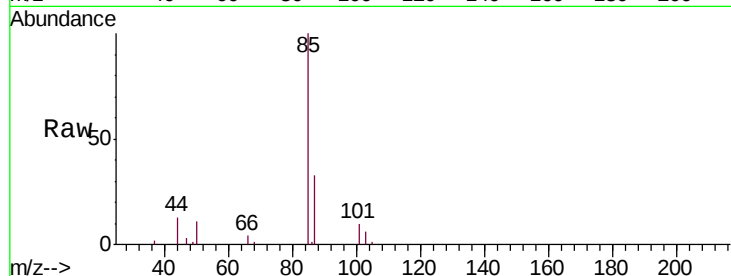
VSTD01050

Tgt Ion: 85 Resp: 22922

Ion Ratio Lower Upper

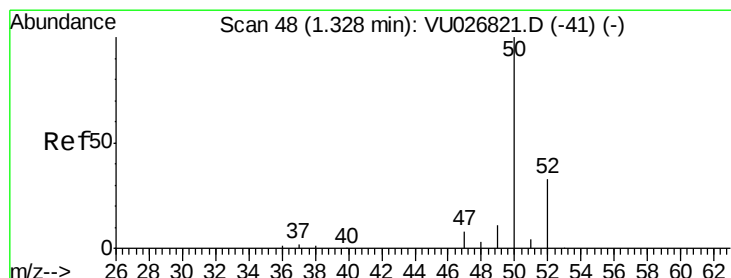
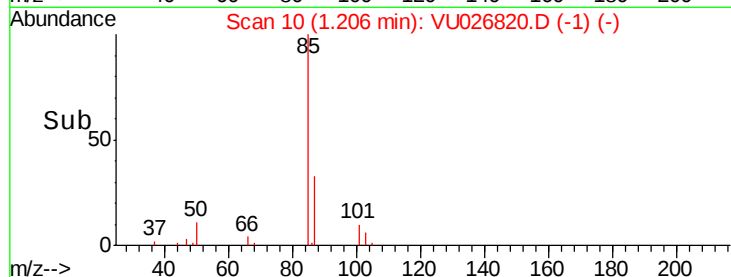
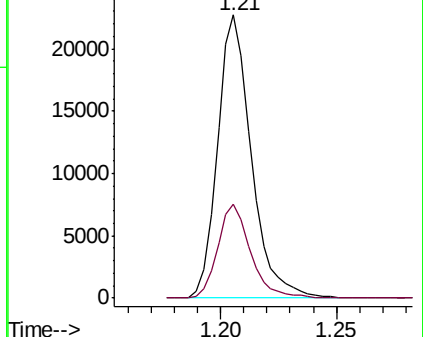
85 100

87 32.3 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VU026821.D (-3) (-)

Ion 87.00 (86.70 to 87.70): VU026821.D (-3) (-)



#3

Chloromethane

Concen: 10.753 ug/L

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU026820.D

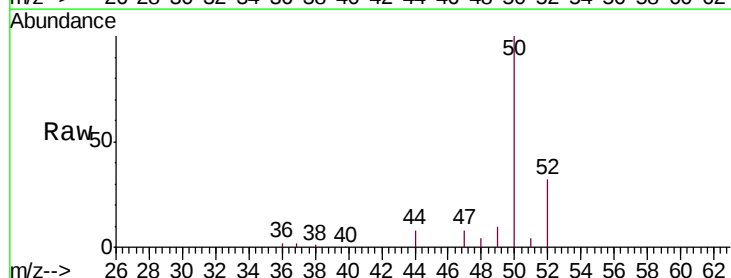
Acq: 17 Sep 2018 13:14

Tgt Ion: 50 Resp: 24297

Ion Ratio Lower Upper

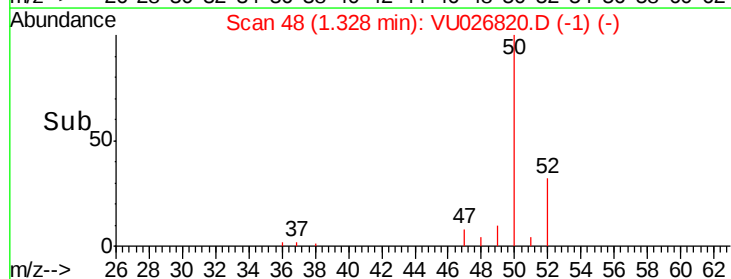
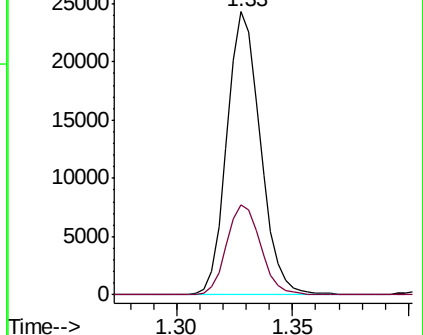
50 100

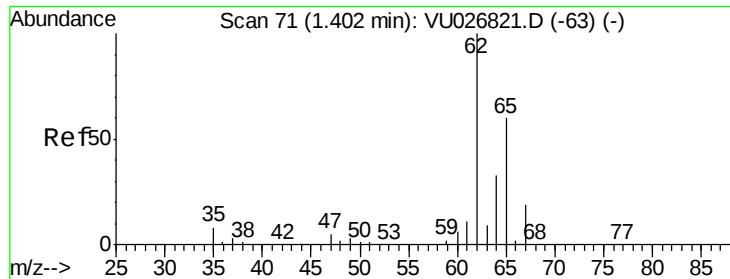
52 31.9 22.8 42.4



Abundance Ion 50.00 (49.70 to 50.70): VU026821.D (-41) (-)

Ion 52.00 (51.70 to 52.70): VU026821.D (-41) (-)





#5

Vinyl chloride

Concen: 10.079 ug/L

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU026820.D

Acq: 17 Sep 2018 13:14

Instrument :

MSVOA_U

ClientSampleId :

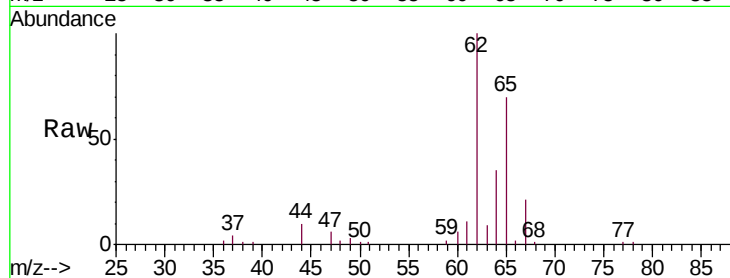
VSTD01050

Tgt Ion: 62 Resp: 22164

Ion Ratio Lower Upper

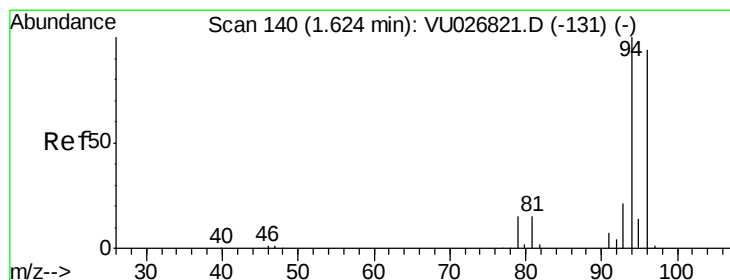
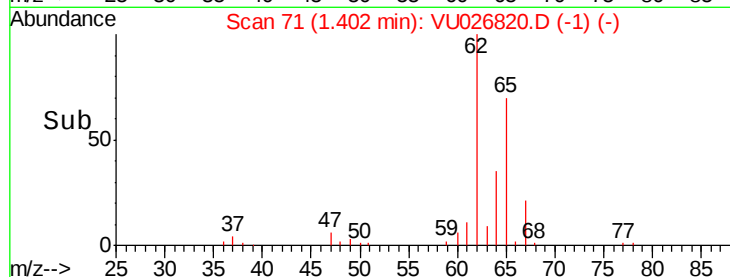
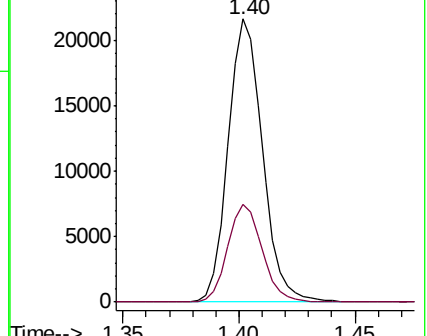
62 100

64 34.6 22.7 42.3



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0



#6

Bromomethane

Concen: 9.755 ug/L

RT: 1.63 min Scan# 142

Delta R.T. 0.01 min

Lab File: VU026820.D

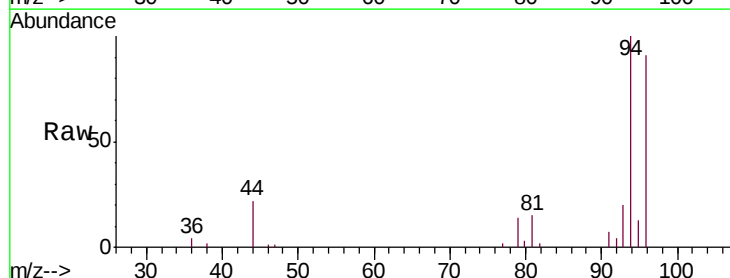
Acq: 17 Sep 2018 13:14

Tgt Ion: 94 Resp: 10595

Ion Ratio Lower Upper

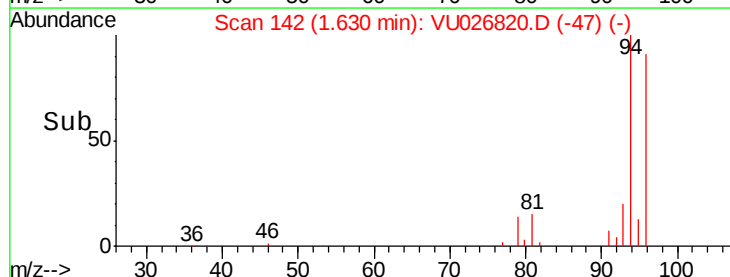
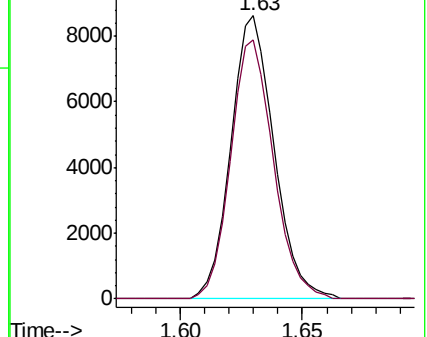
94 100

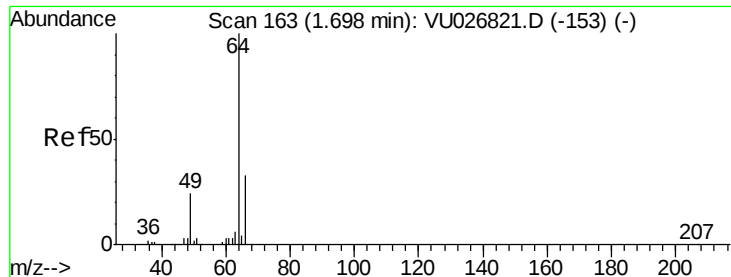
96 91.4 66.0 122.6



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 10.583 ug/L

RT: 1.70 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU026820.D

Acq: 17 Sep 2018 13:14

Instrument :

MSVOA_U

ClientSampleId :

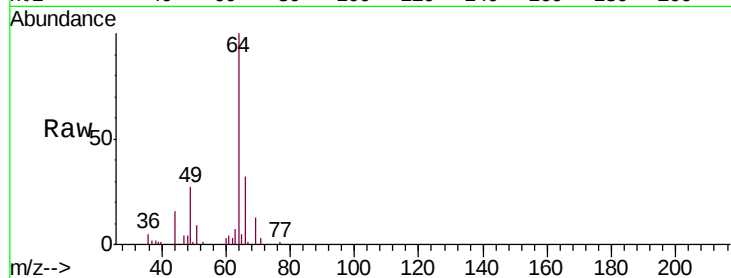
VSTD01050

Tgt Ion: 64 Resp: 14584

Ion Ratio Lower Upper

64 100

66 32.2 23.0 42.8



Abundance Ion 64.00 (63.70 to 64.70): VU026821.D (-153) (-)

Ion 66.00 (65.70 to 66.70): VU026821.D (-153) (-)

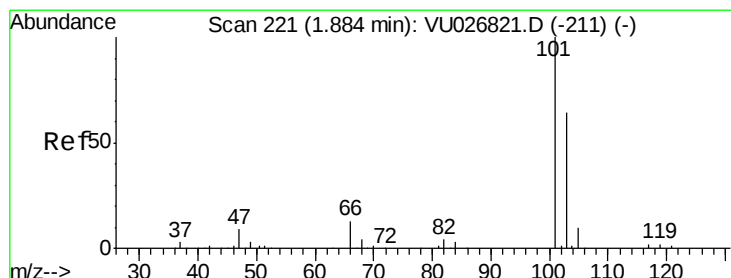
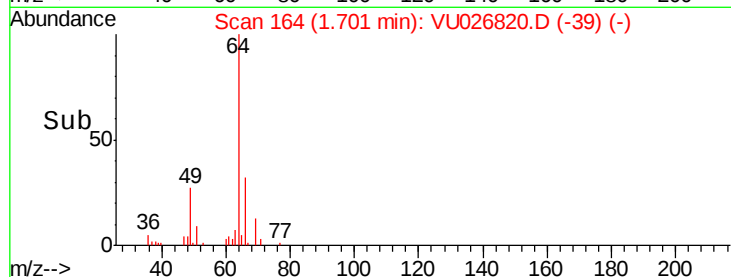
1.70

10000

5000

0

Time-->



#9

Trichlorofluoromethane

Concen: 10.399 ug/L

RT: 1.89 min Scan# 222

Delta R.T. 0.00 min

Lab File: VU026820.D

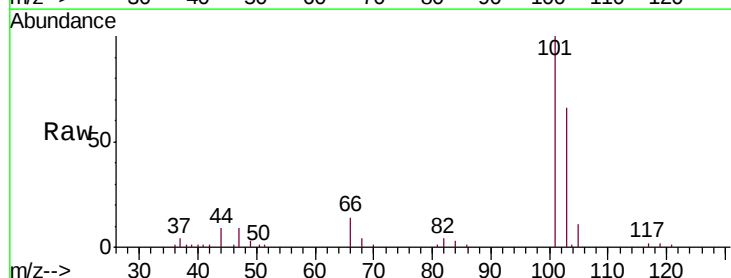
Acq: 17 Sep 2018 13:14

Tgt Ion: 101 Resp: 28412

Ion Ratio Lower Upper

101 100

103 66.0 51.9 77.9



Abundance Ion 101.00 (100.70 to 101.70): VU026821.D (-211) (-)

Ion 103.00 (102.70 to 103.70): VU026821.D (-211) (-)

1.89

20000

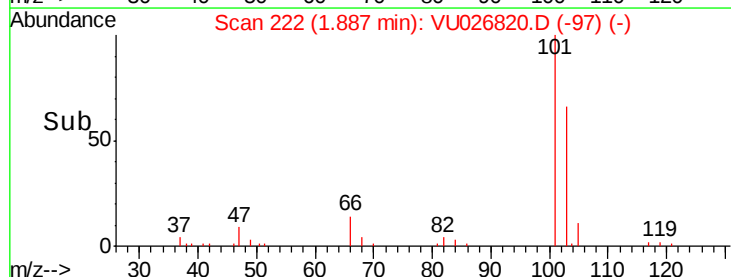
15000

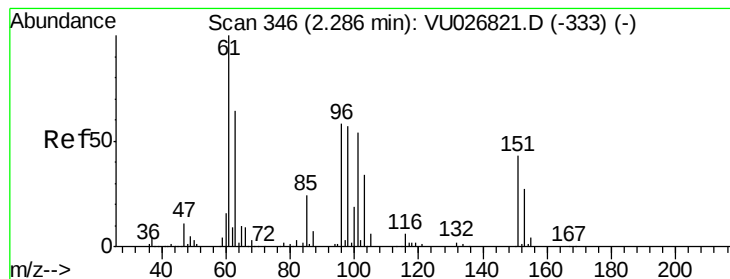
10000

5000

0

Time-->





#10

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

Concen: 10.303 ug/L

RT: 2.29 min Scan# 347

Delta R.T. 0.00 min

Lab File: VU026820.D

Acq: 17 Sep 2018 13:14

Instrument :

MSVOA_U

ClientSampleId :

VSTD01050

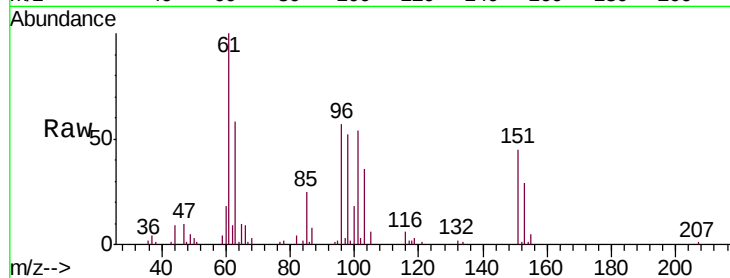
Tgt Ion: 101 Resp: 16675

Ion Ratio Lower Upper

101 100

85 43.4 34.6 52.0

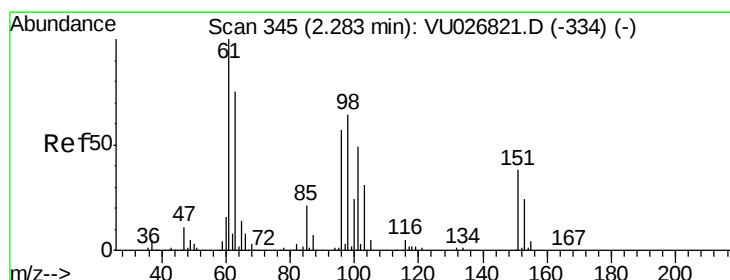
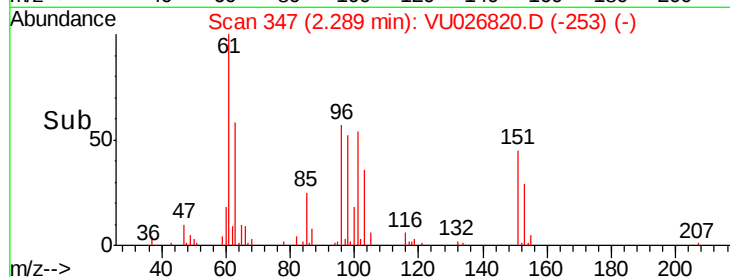
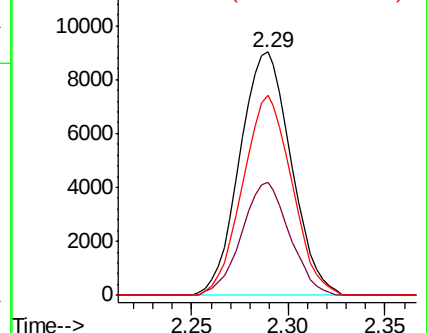
151 78.7 63.0 94.4



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: 10.316 ug/L

RT: 2.29 min Scan# 346

Delta R.T. 0.00 min

Lab File: VU026820.D

Acq: 17 Sep 2018 13:14

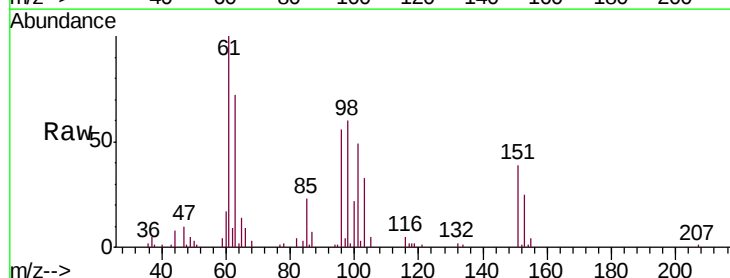
Tgt Ion: 96 Resp: 15680

Ion Ratio Lower Upper

96 100

61 178.4 124.0 230.4

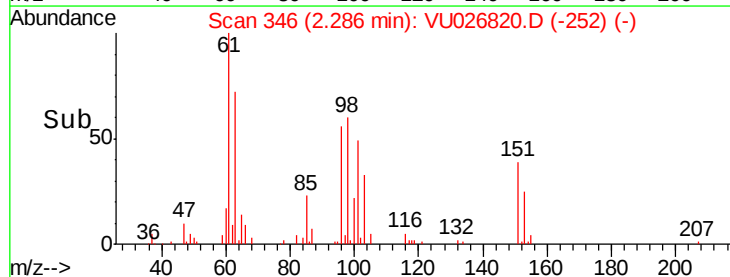
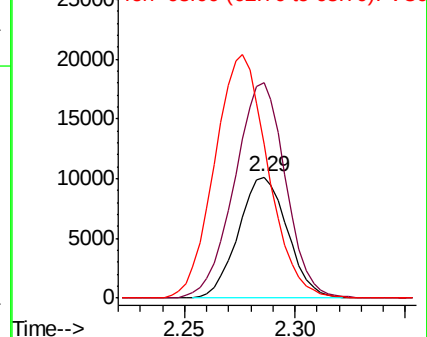
63 127.9 97.7 181.5

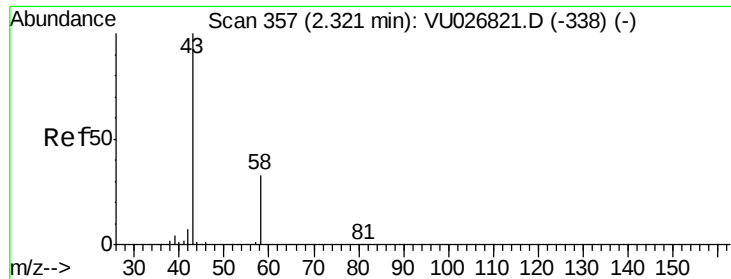


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 21.145 ug/L

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU026820.D

Acq: 17 Sep 2018 13:14

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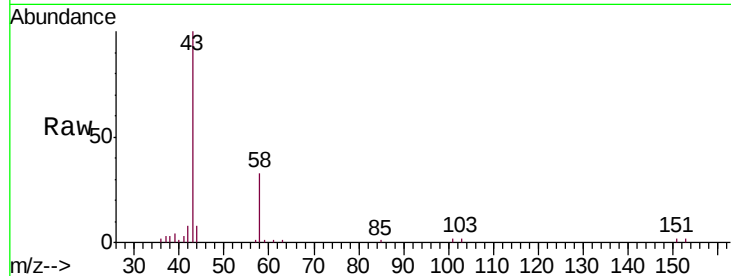
VSTD01050

Tgt Ion: 43 Resp: 23914

Ion Ratio Lower Upper

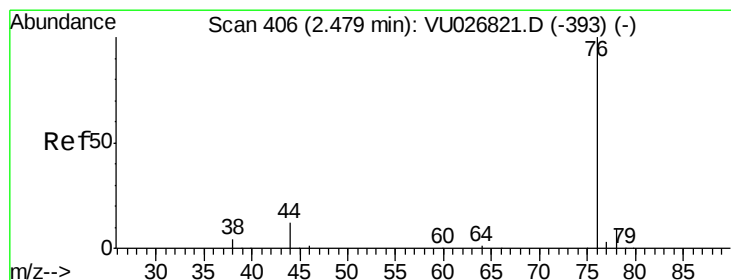
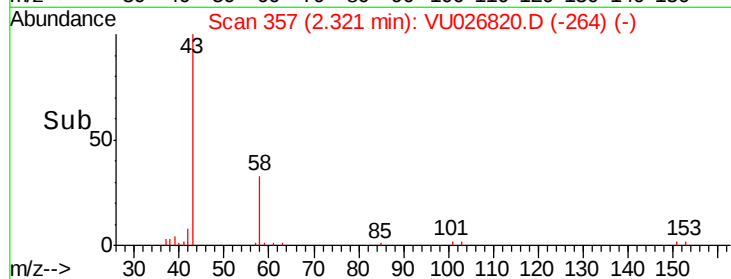
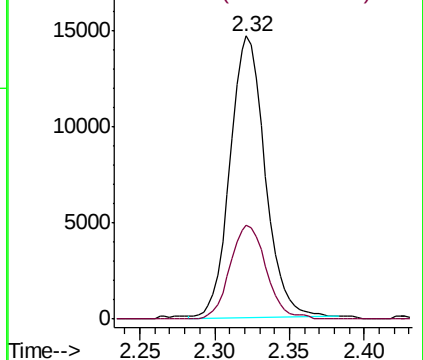
43 100

58 33.9 0.0 64.6



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#14

Carbon disulfide

Concen: 10.261 ug/L

RT: 2.48 min Scan# 406

Delta R.T. -0.00 min

Lab File: VU026820.D

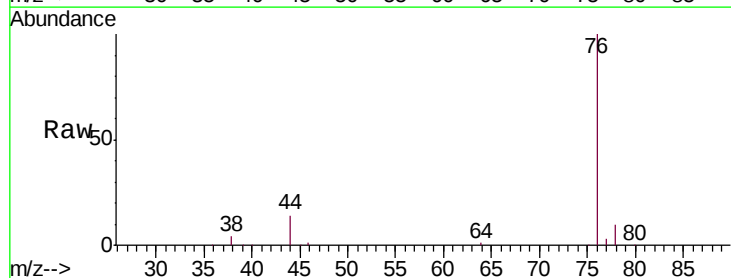
Acq: 17 Sep 2018 13:14

Tgt Ion: 76 Resp: 53823

Ion Ratio Lower Upper

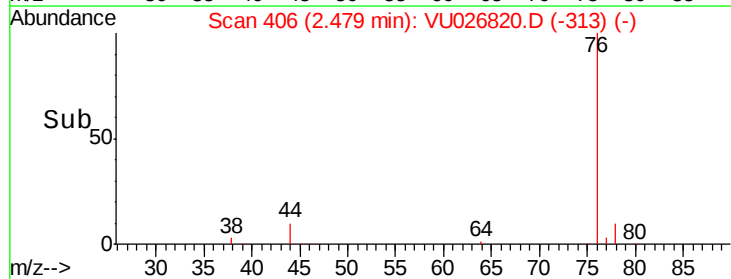
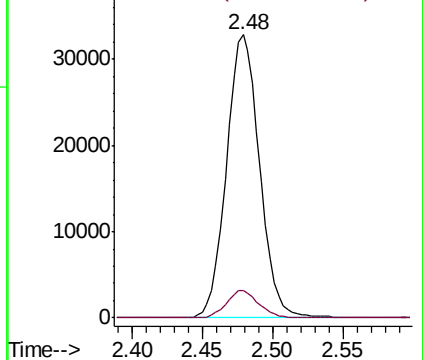
76 100

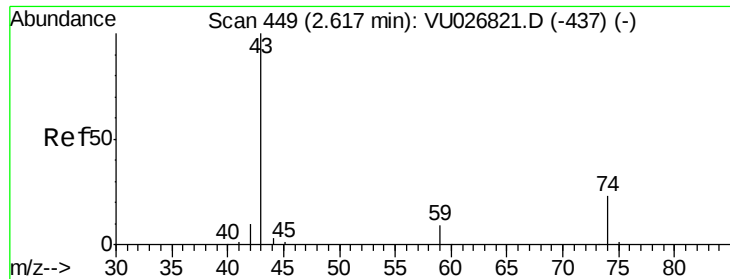
78 9.7 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VU0

Ion 78.00 (77.70 to 78.70): VU0

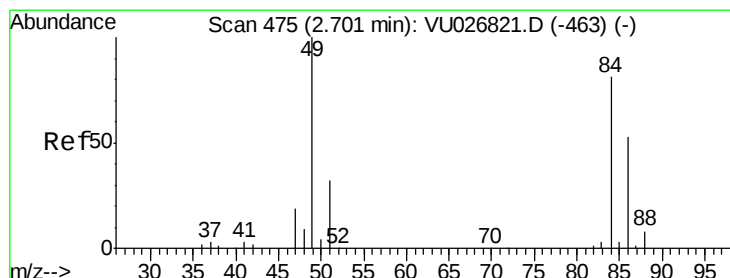
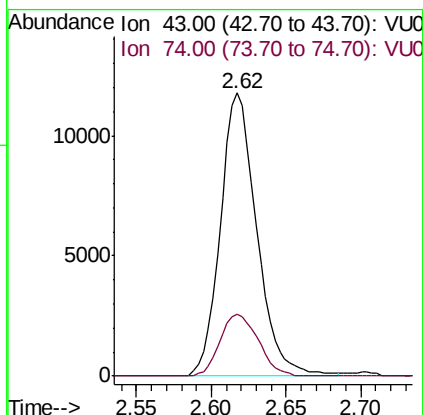
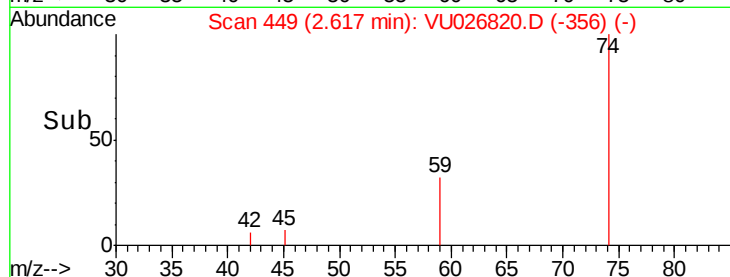
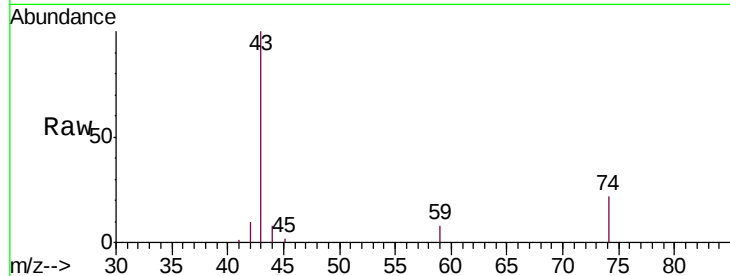




#15
Methyl Acetate
Concen: 10.198 ug/L
RT: 2.62 min Scan# 449
Delta R.T. -0.00 min
Lab File: VU026820.D
Acq: 17 Sep 2018 13:14

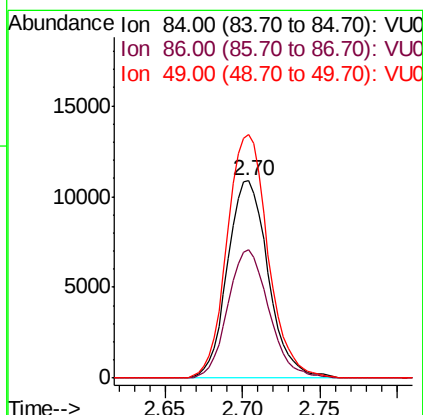
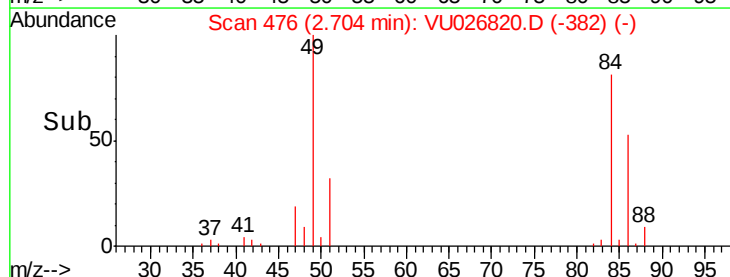
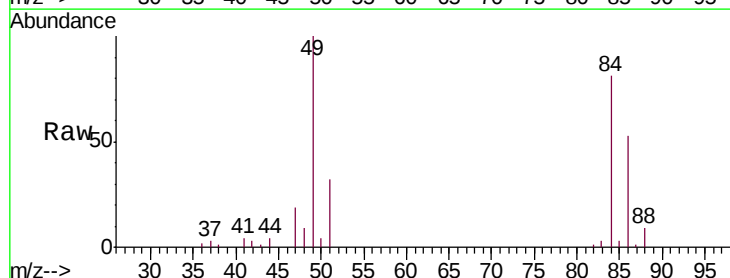
Instrument :
MSVOA_U
ClientSampleId :
VSTD01050

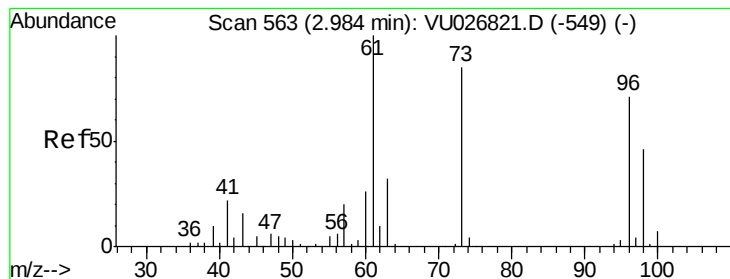
Tgt Ion: 43 Resp: 19982
Ion Ratio Lower Upper
43 100
74 23.0 18.7 28.1



#16
Methylene chloride
Concen: 10.341 ug/L
RT: 2.70 min Scan# 476
Delta R.T. 0.00 min
Lab File: VU026820.D
Acq: 17 Sep 2018 13:14

Tgt Ion: 84 Resp: 19982
Ion Ratio Lower Upper
84 100
86 65.3 45.3 84.1
49 123.4 86.2 160.2





#17

trans-1,2-Dichloroethene

Concen: 9.873 ug/L

RT: 2.98 min Scan# 563

Delta R.T. -0.00 min

Lab File: VU026820.D

Acq: 17 Sep 2018 13:14

Instrument :

MSVOA_U

ClientSampleId :

VSTD01050

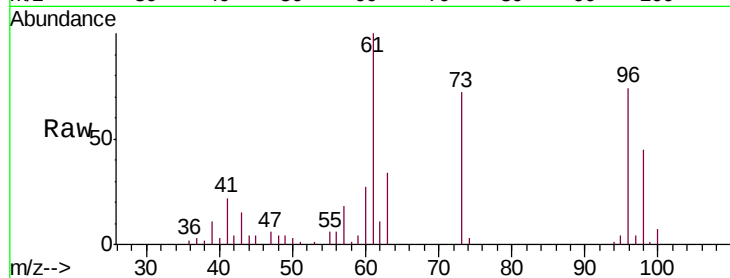
Tgt Ion: 96 Resp: 16528

Ion Ratio Lower Upper

96 100

61 134.7 98.7 183.3

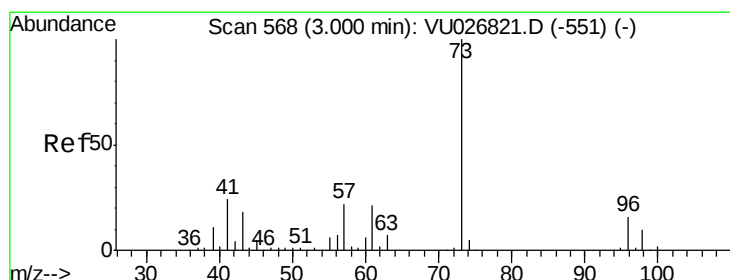
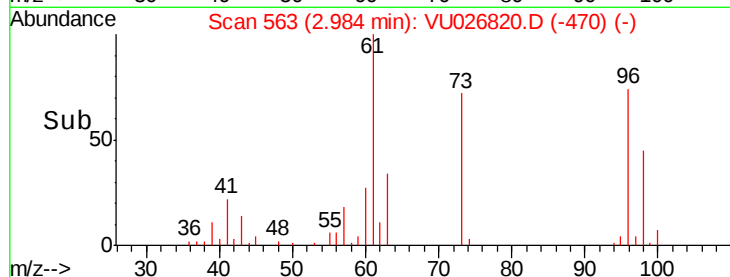
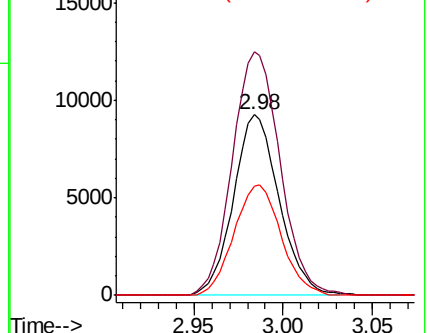
98 60.4 45.2 84.0



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 98.00 (97.70 to 98.70): VU0



#18

Methyl tert-butyl Ether

Concen: 9.158 ug/L

RT: 3.00 min Scan# 568

Delta R.T. -0.00 min

Lab File: VU026820.D

Acq: 17 Sep 2018 13:14

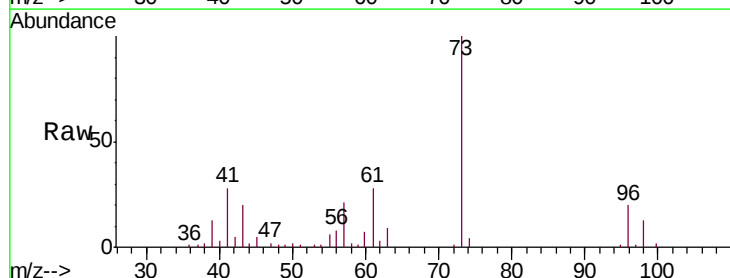
Tgt Ion: 73 Resp: 44835

Ion Ratio Lower Upper

73 100

43 20.3 15.3 22.9

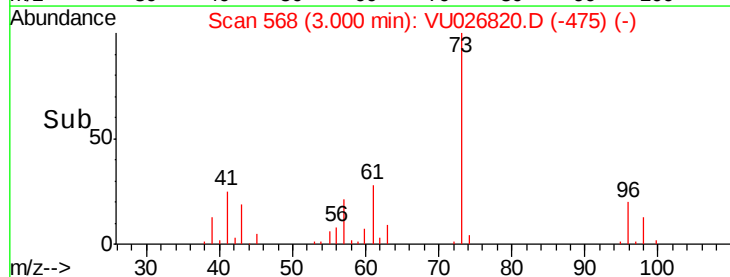
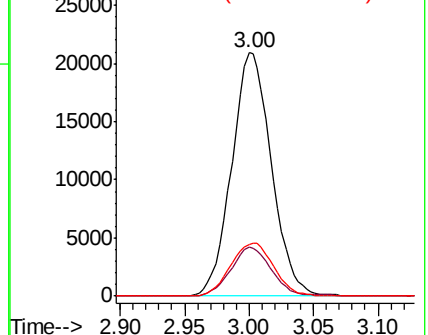
57 23.5 18.1 27.1

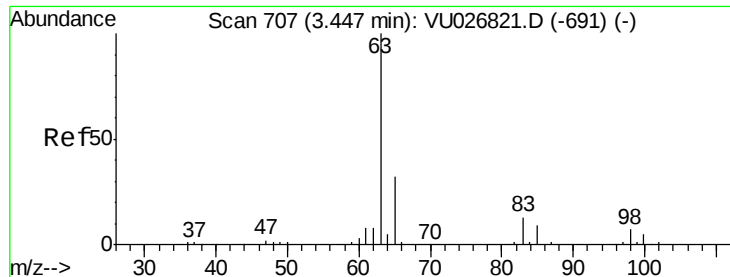


Abundance Ion 73.00 (72.70 to 73.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

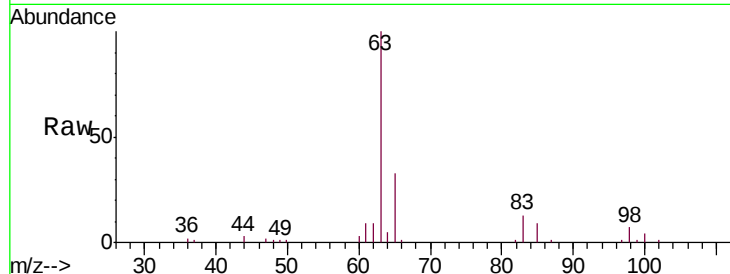




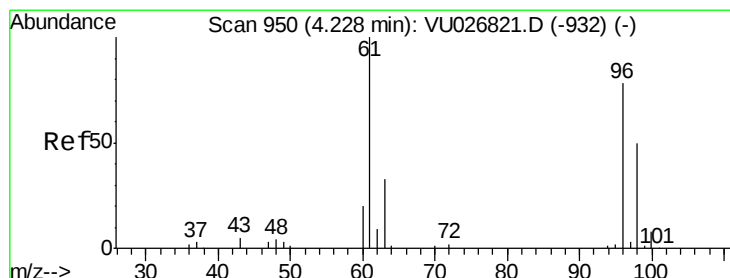
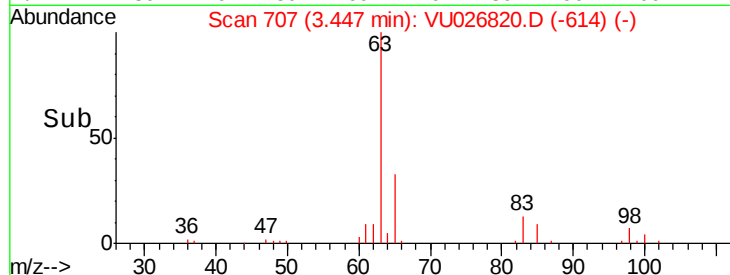
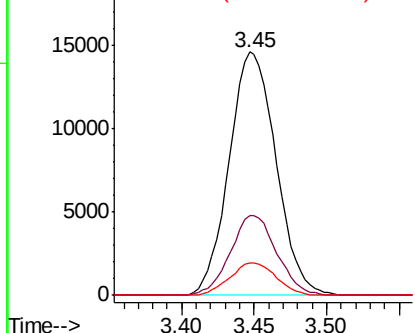
#19
 1,1-Dichloroethane
 Concen: 10.187 ug/L
 RT: 3.45 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: VU026820.D
 Acq: 17 Sep 2018 13:14

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01050

Tgt Ion: 63 Resp: 32893
 Ion Ratio Lower Upper
 63 100
 65 32.9 22.1 41.1
 83 13.1 9.3 17.3

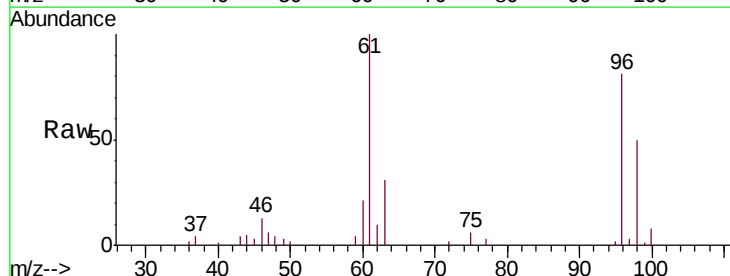


Abundance Ion 63.00 (62.70 to 63.70): VU0
 Ion 65.00 (64.70 to 65.70): VU0
 Ion 83.00 (82.70 to 83.70): VU0

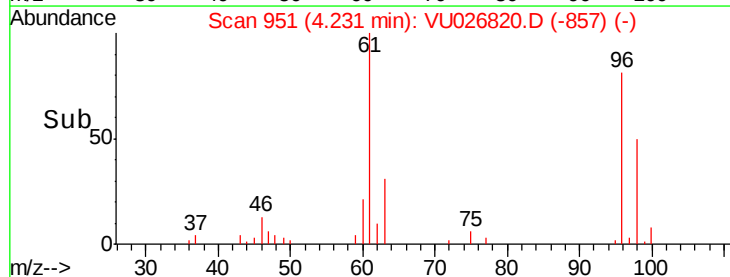
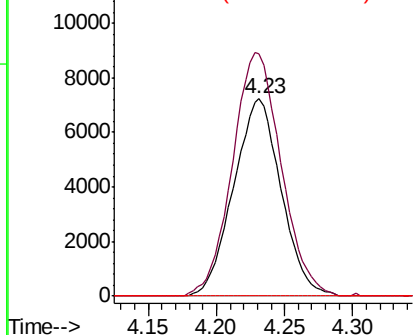


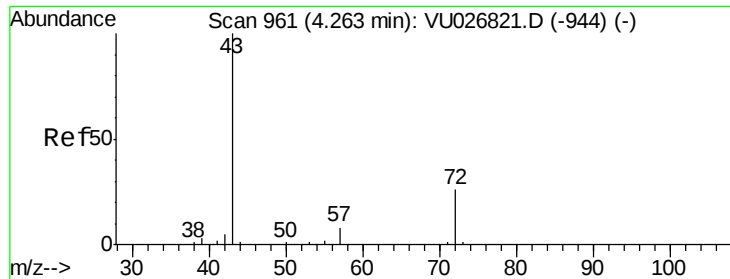
#20
 cis-1,2-Dichloroethene
 Concen: 9.510 ug/L
 RT: 4.23 min Scan# 951
 Delta R.T. 0.00 min
 Lab File: VU026820.D
 Acq: 17 Sep 2018 13:14

Tgt Ion: 96 Resp: 17510
 Ion Ratio Lower Upper
 96 100
 61 122.9 90.2 167.4
 68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.00 (60.70 to 61.70): VU0
 Ion 68.00 (67.70 to 68.70): VU0





#22

2-Butanone

Concen: 18.300 ug/L

RT: 4.27 min Scan# 963

Delta R.T. 0.01 min

Lab File: VU026820.D

Acq: 17 Sep 2018 13:14

Instrument :

MSVOA_U

ClientSampled :

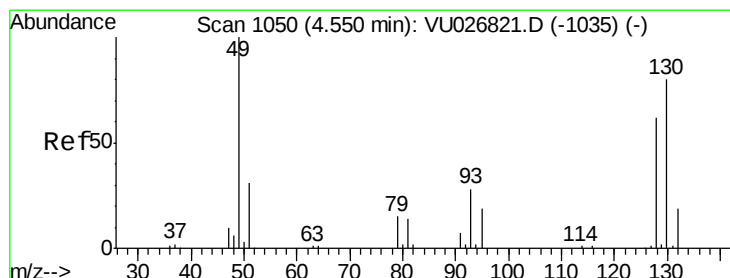
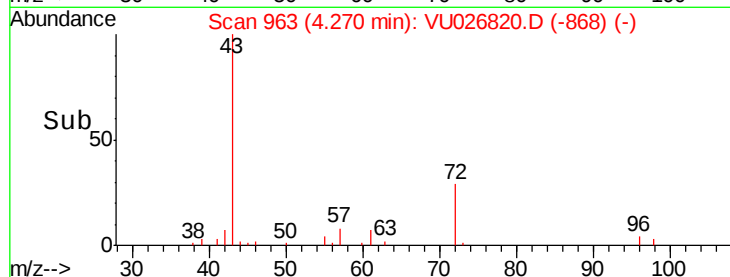
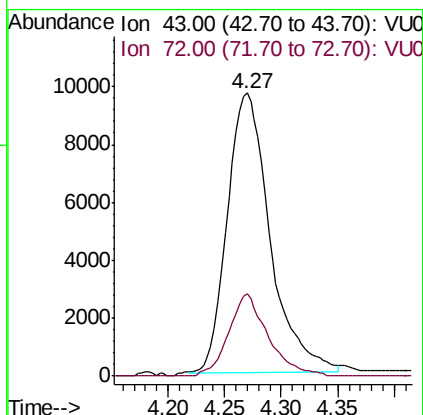
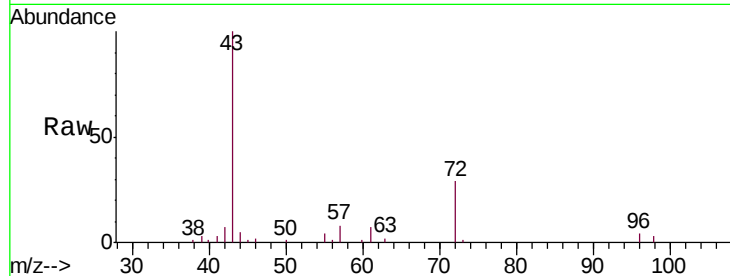
VSTD01050

Tgt Ion: 43 Resp: 25523

Ion Ratio Lower Upper

43 100

72 27.0 13.3 39.9



#23

Bromochloromethane

Concen: 10.161 ug/L

RT: 4.55 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VU026820.D

Acq: 17 Sep 2018 13:14

Tgt Ion: 128 Resp: 10101

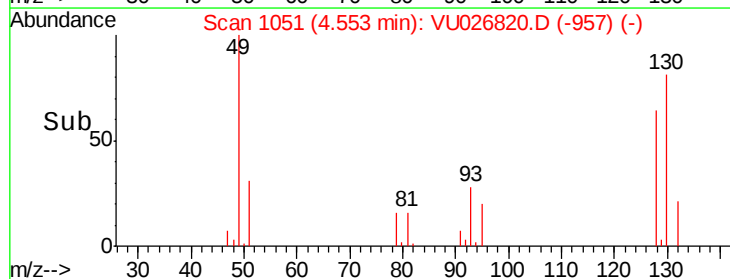
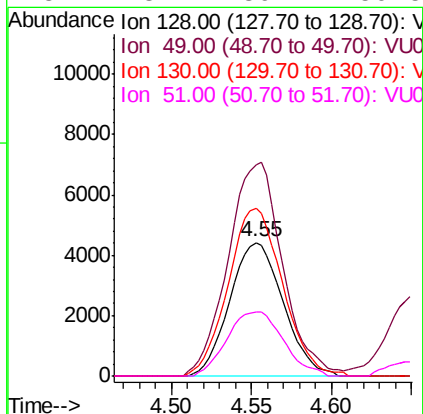
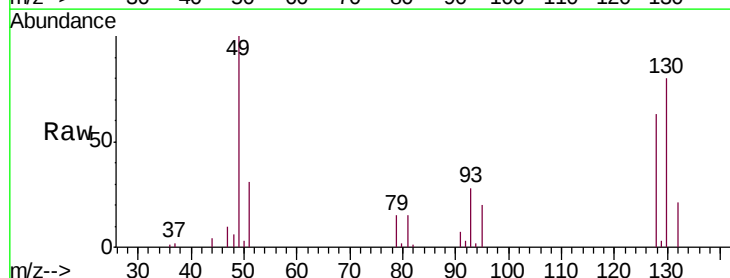
Ion Ratio Lower Upper

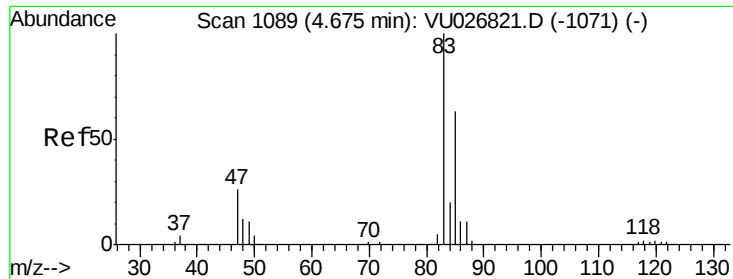
128 100

49 158.5 113.0 209.8

130 126.1 89.7 166.5

51 48.4 39.7 59.5

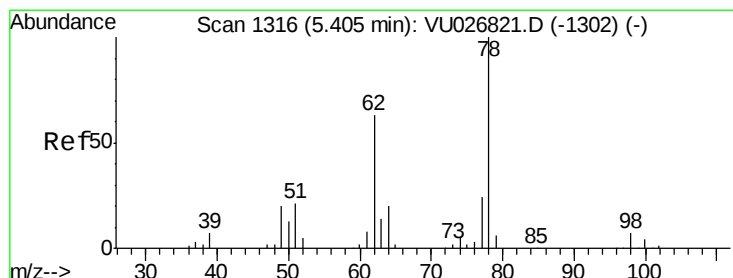
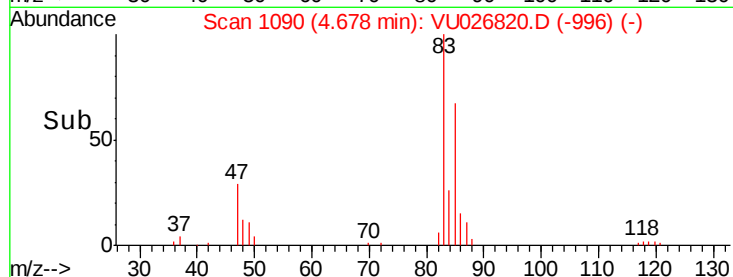
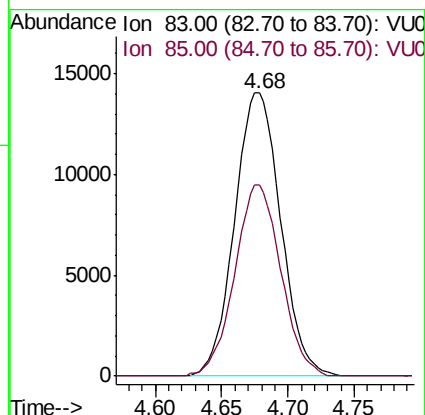
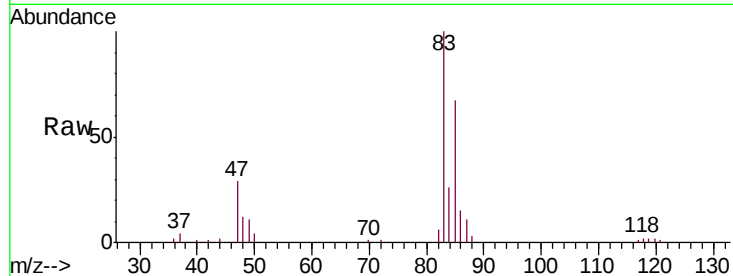




#25
Chloroform
Concen: 10.355 ug/L
RT: 4.68 min Scan# 1090
Delta R.T. 0.00 min
Lab File: VU026820.D
Acq: 17 Sep 2018 13:14

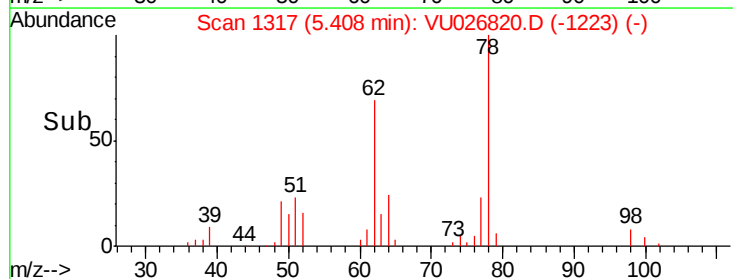
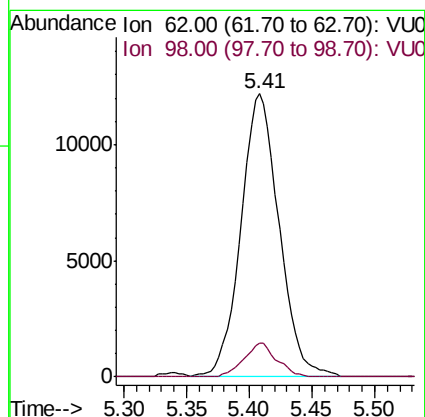
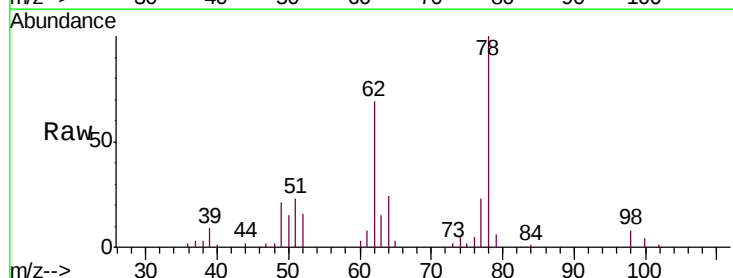
Instrument :
MSVOA_U
ClientSampleId :
VSTD01050

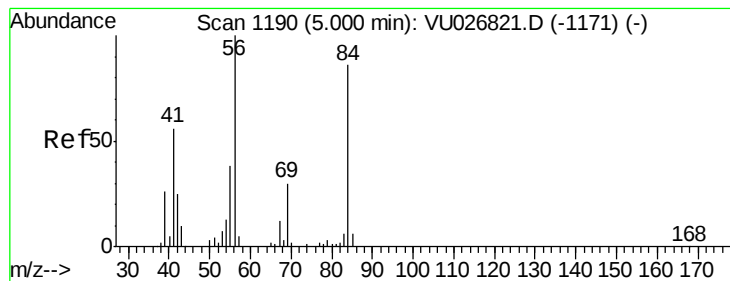
Tgt Ion: 83 Resp: 33863
Ion Ratio Lower Upper
83 100
85 67.4 44.4 82.5



#27
1,2-Dichloroethane
Concen: 10.125 ug/L
RT: 5.41 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VU026820.D
Acq: 17 Sep 2018 13:14

Tgt Ion: 62 Resp: 25840
Ion Ratio Lower Upper
62 100
98 12.1 8.2 12.4





#29

Cyclohexane

Concen: 8.297 ug/L

RT: 5.00 min Scan# 1190

Delta R.T. -0.00 min

Lab File: VU026820.D

Acq: 17 Sep 2018 13:14

Instrument :

MSVOA_U

ClientSampleId :

VSTD01050

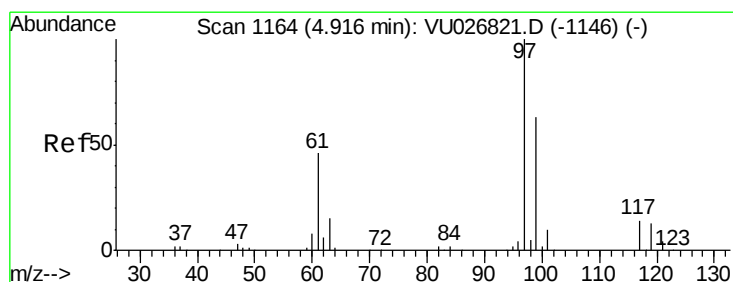
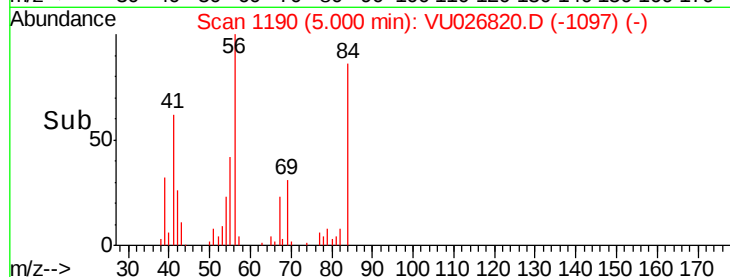
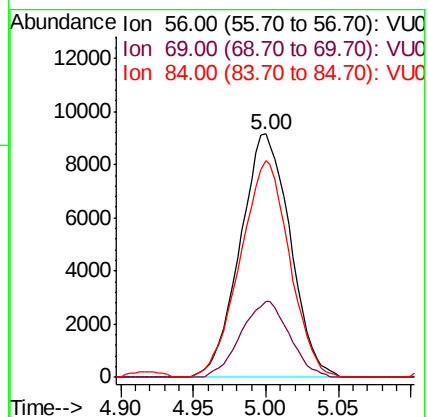
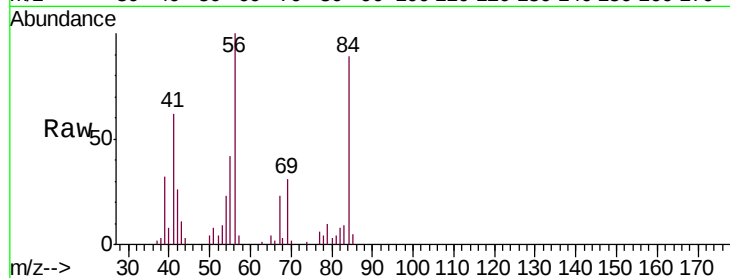
Tgt Ion: 56 Resp: 21983

Ion Ratio Lower Upper

56 100

69 30.1 23.7 35.5

84 87.9 69.0 103.4



#30

1,1,1-Trichloroethane

Concen: 10.052 ug/L

RT: 4.92 min Scan# 1164

Delta R.T. -0.00 min

Lab File: VU026820.D

Acq: 17 Sep 2018 13:14

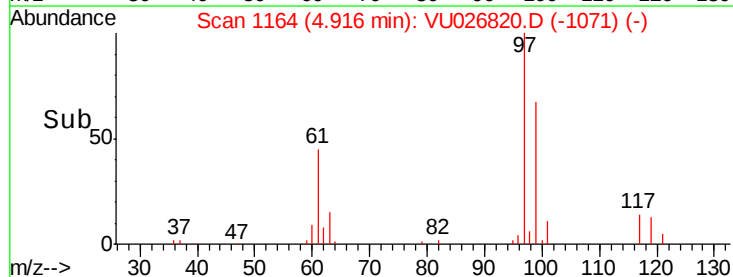
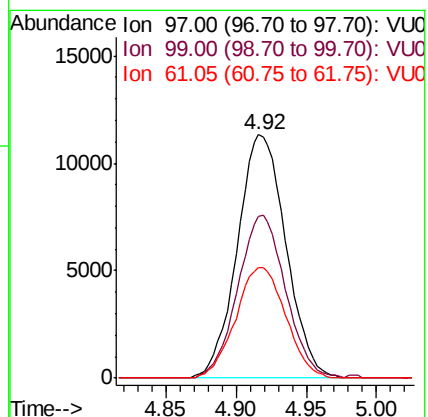
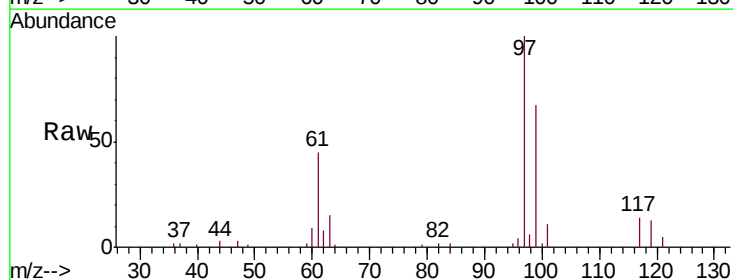
Tgt Ion: 97 Resp: 27290

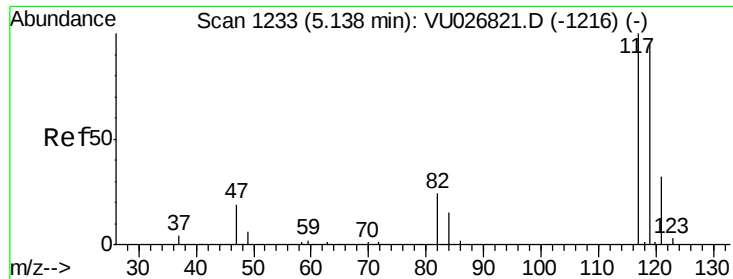
Ion Ratio Lower Upper

97 100

99 66.1 51.8 77.8

61 46.8 36.6 54.8





#31

Carbon tetrachloride

Concen: 10.247 ug/L

RT: 5.14 min Scan# 1233

Delta R.T. -0.00 min

Lab File: VU026820.D

Acq: 17 Sep 2018 13:14

Instrument :

MSVOA_U

ClientSampleId :

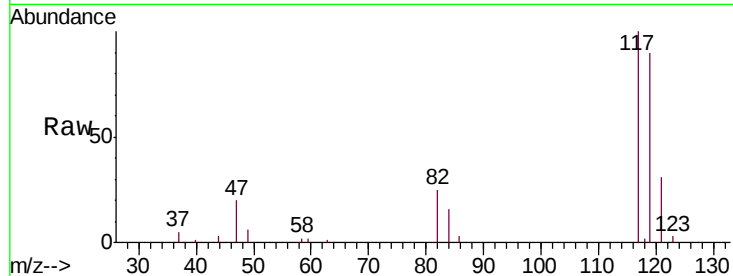
VSTD01050

Tgt Ion:117 Resp: 24930

Ion Ratio Lower Upper

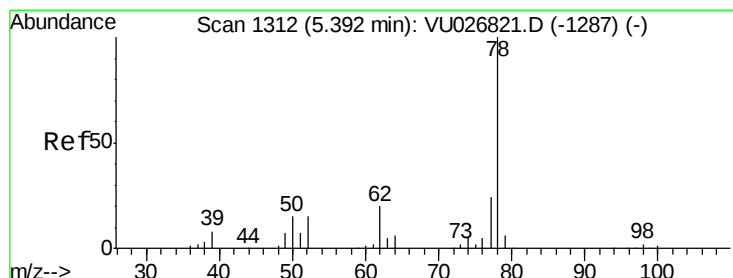
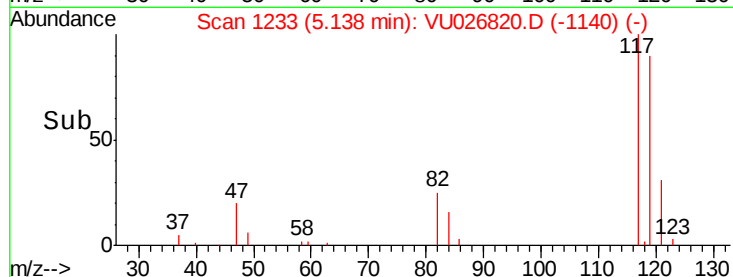
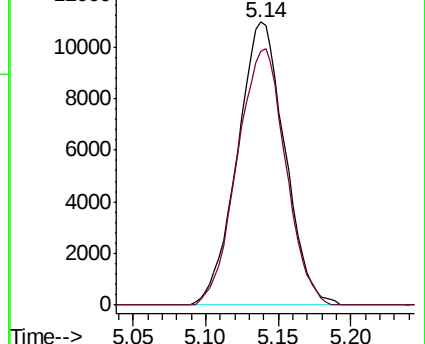
117 100

119 92.3 76.3 114.5



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 9.585 ug/L

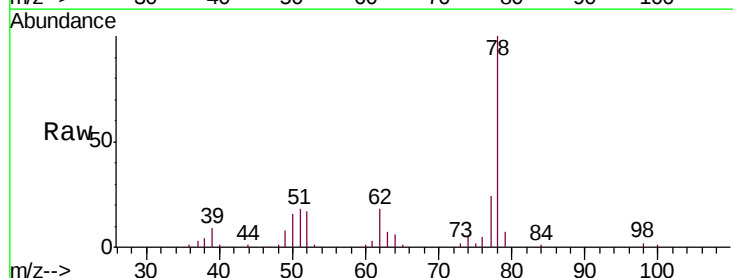
RT: 5.39 min Scan# 1312

Delta R.T. -0.00 min

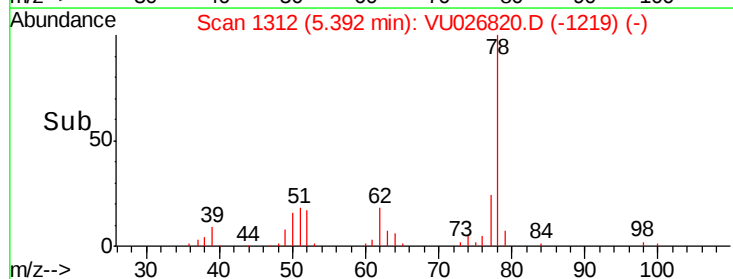
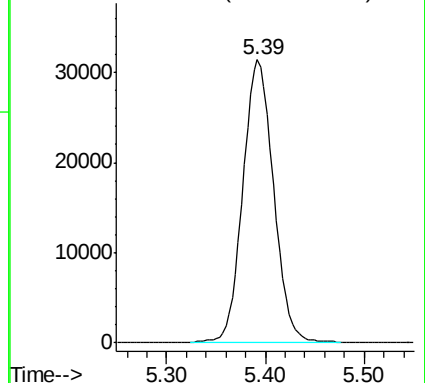
Lab File: VU026820.D

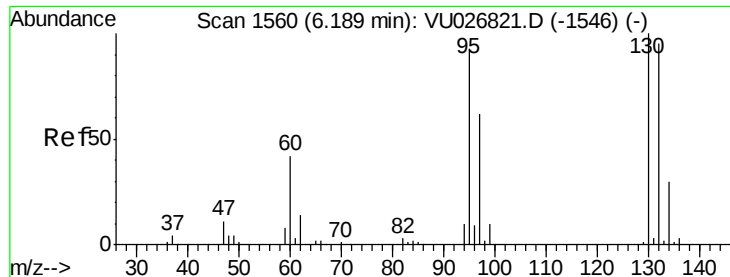
Acq: 17 Sep 2018 13:14

Tgt Ion: 78 Resp: 67815



Abundance Ion 78.00 (77.70 to 78.70): VU0





#34

Trichloroethene

Concen: 9.837 ug/L

RT: 6.19 min Scan# 1560

Delta R.T. -0.00 min

Lab File: VU026820.D

Acq: 17 Sep 2018 13:14

Instrument :

MSVOA_U

ClientSampleId :

VSTD01050

Tgt Ion: 95 Resp: 16701

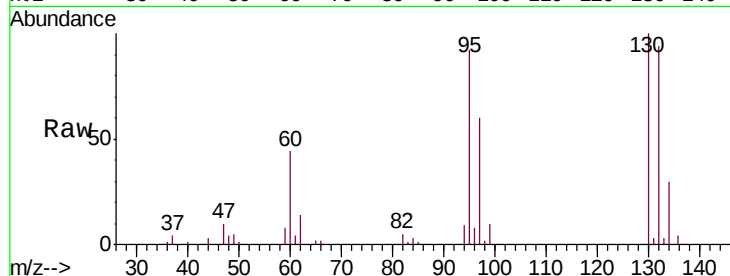
Ion Ratio Lower Upper

95 100

97 64.7 46.3 85.9

132 101.6 71.7 133.1

130 108.1 75.3 139.8

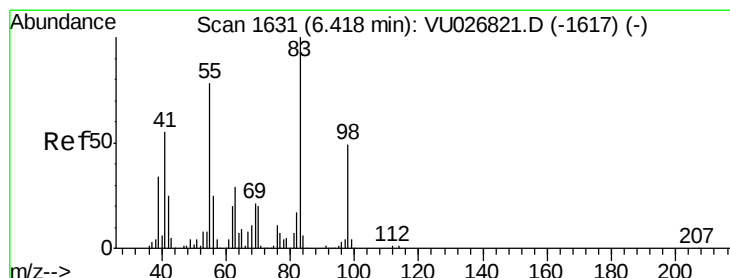
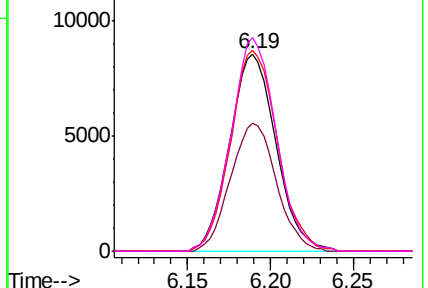
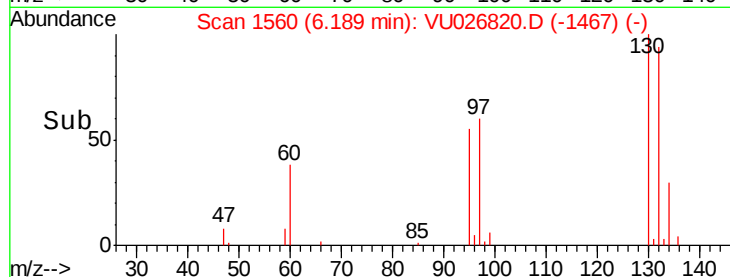


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#35

Methylcyclohexane

Concen: 8.247 ug/L

RT: 6.42 min Scan# 1632

Delta R.T. 0.00 min

Lab File: VU026820.D

Acq: 17 Sep 2018 13:14

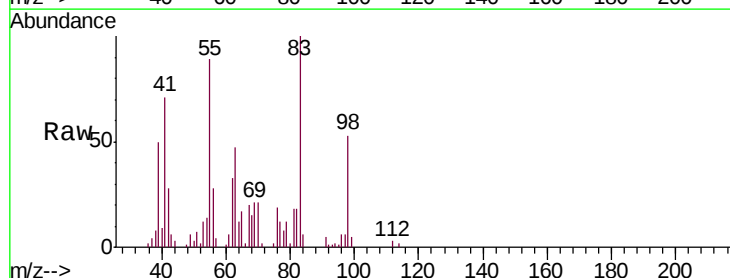
Tgt Ion: 83 Resp: 22824

Ion Ratio Lower Upper

83 100

55 84.3 61.7 92.5

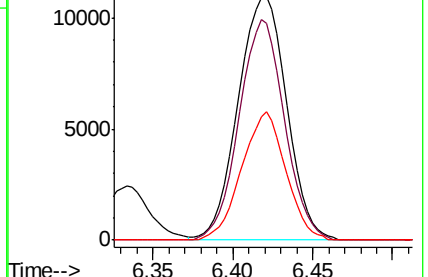
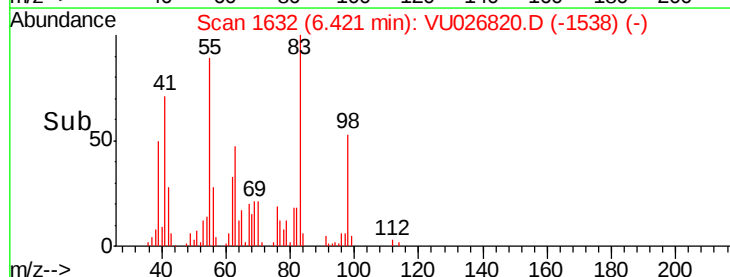
98 47.7 38.3 57.5

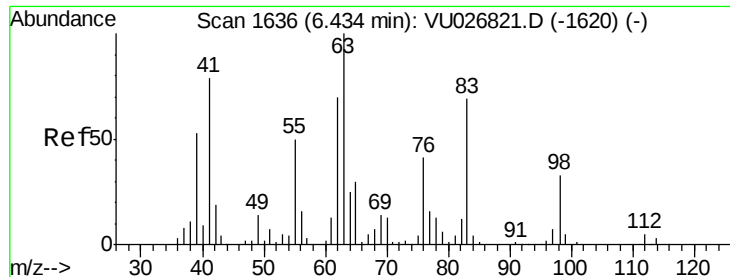


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

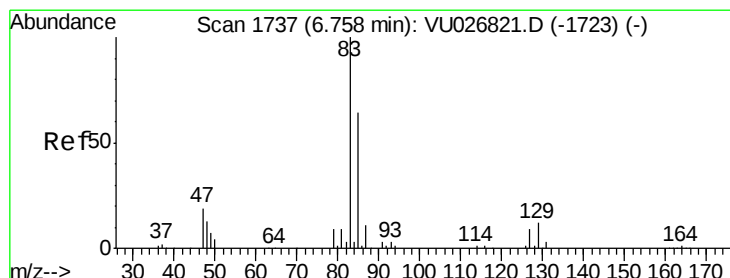
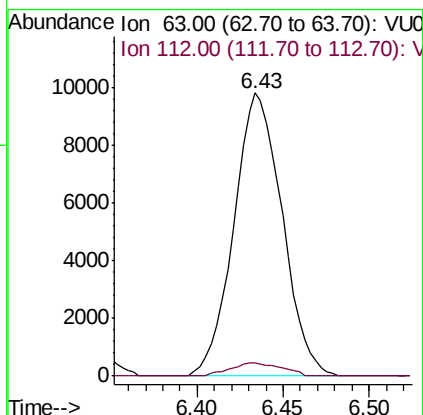
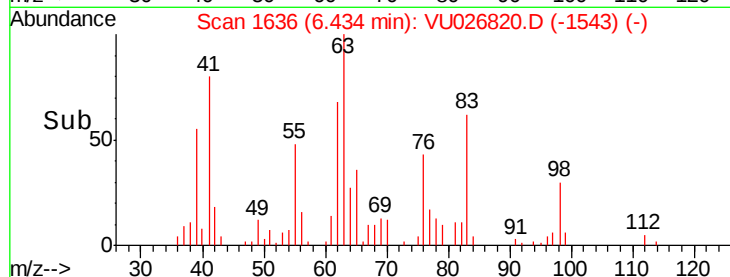
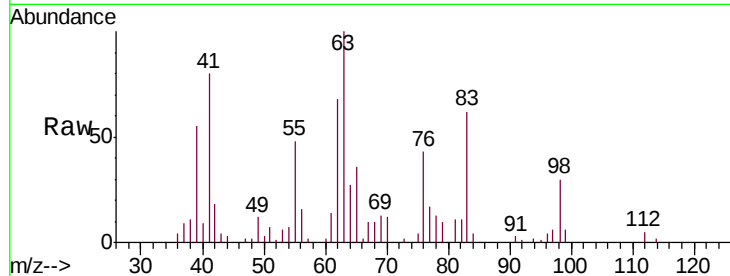




#37
 1,2-Dichloropropane
 Concen: 9.901 ug/L
 RT: 6.43 min Scan# 1636
 Delta R.T. -0.00 min
 Lab File: VU026820.D
 Acq: 17 Sep 2018 13:14

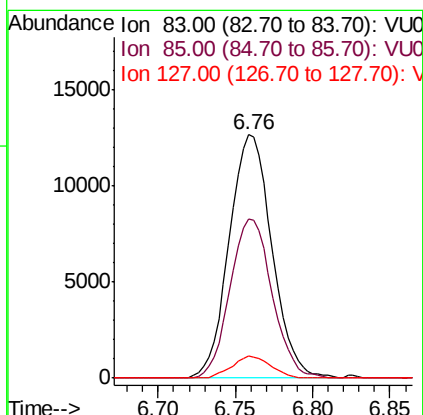
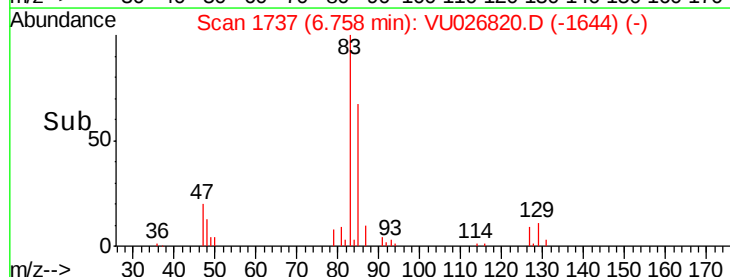
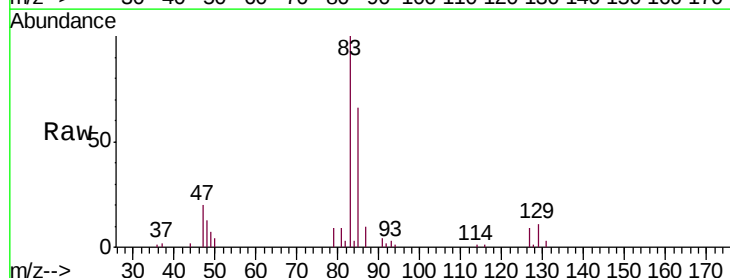
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01050

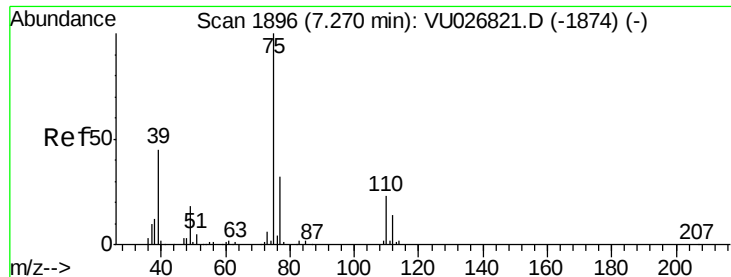
Tgt Ion: 63 Resp: 19242
 Ion Ratio Lower Upper
 63 100
 112 4.9 3.7 5.5



#38
 Bromodichloromethane
 Concen: 10.057 ug/L
 RT: 6.76 min Scan# 1737
 Delta R.T. -0.00 min
 Lab File: VU026820.D
 Acq: 17 Sep 2018 13:14

Tgt Ion: 83 Resp: 24239
 Ion Ratio Lower Upper
 83 100
 85 65.5 44.5 82.7
 127 8.9 6.9 10.3

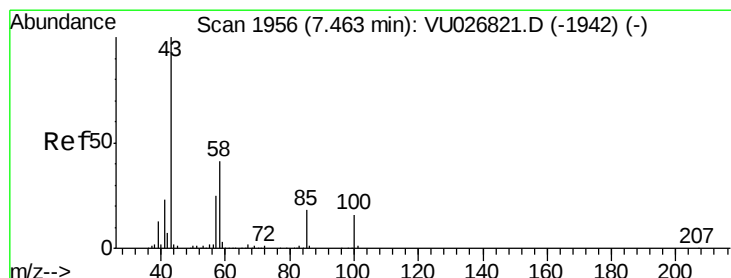
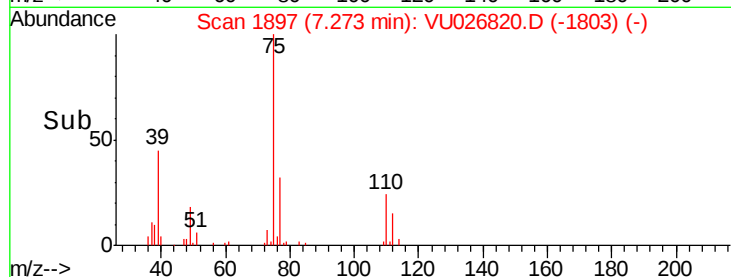
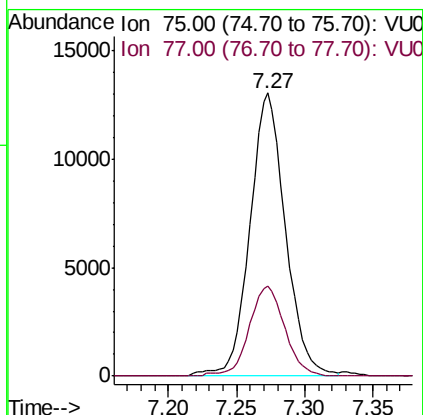
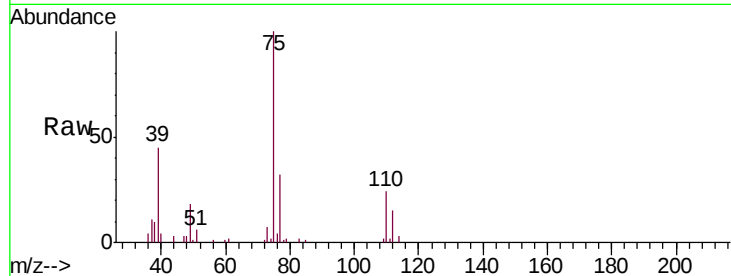




#39
 cis-1,3-Dichloropropene
 Concen: 8.594 ug/L
 RT: 7.27 min Scan# 1897
 Delta R.T. 0.00 min
 Lab File: VU026820.D
 Acq: 17 Sep 2018 13:14

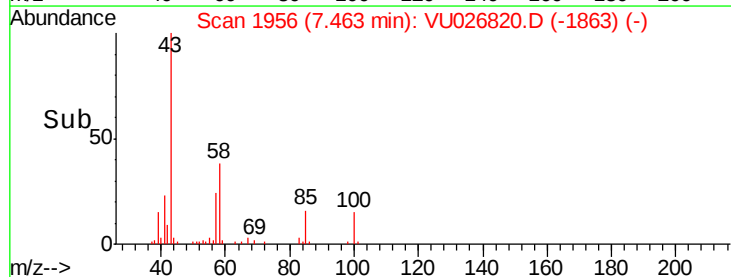
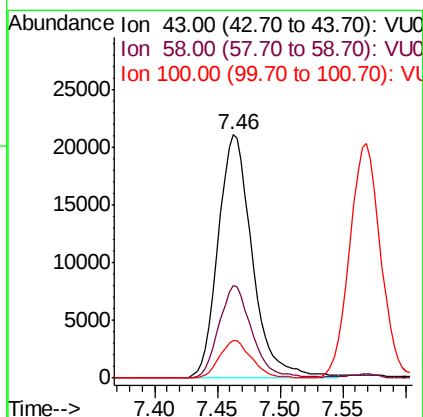
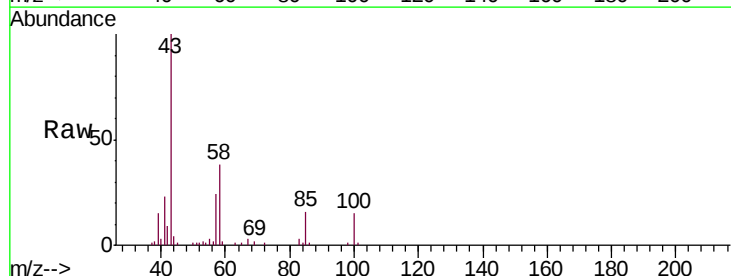
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01050

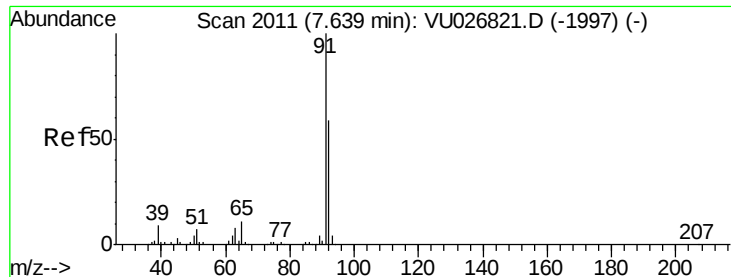
Tgt Ion: 75 Resp: 23595
 Ion Ratio Lower Upper
 75 100
 77 31.8 22.1 41.1



#40
 4-Methyl-2-pentanone
 Concen: 17.290 ug/L
 RT: 7.46 min Scan# 1956
 Delta R.T. -0.00 min
 Lab File: VU026820.D
 Acq: 17 Sep 2018 13:14

Tgt Ion: 43 Resp: 39927
 Ion Ratio Lower Upper
 43 100
 58 36.6 32.0 48.0
 100 14.3 12.6 19.0





#42

Toluene

Concen: 9.209 ug/L

RT: 7.64 min Scan# 2011

Delta R.T. -0.00 min

Lab File: VU026820.D

Acq: 17 Sep 2018 13:14

Instrument :

MSVOA_U

ClientSampleId :

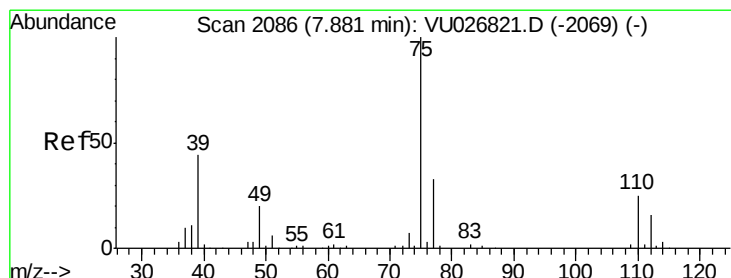
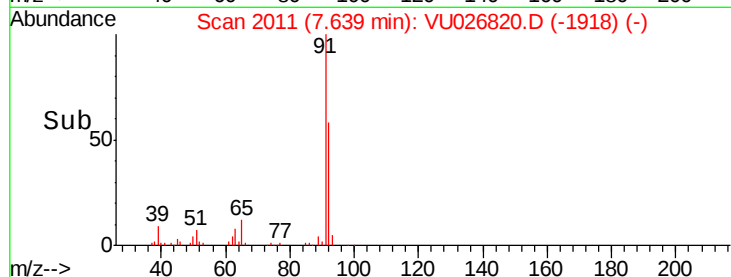
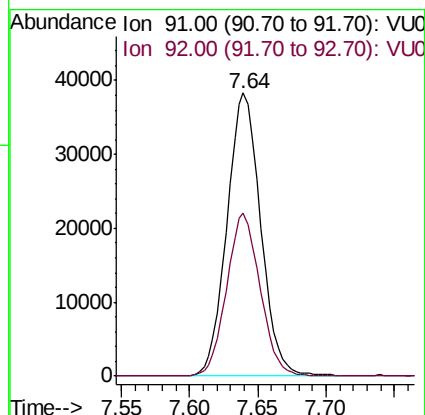
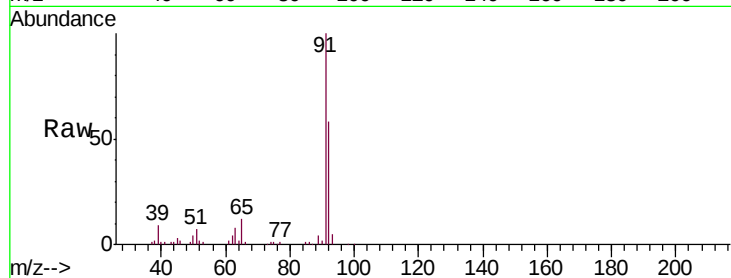
VSTD01050

Tgt Ion: 91 Resp: 65936

Ion Ratio Lower Upper

91 100

92 57.5 40.9 76.0



#44

trans-1,3-Dichloropropene

Concen: 8.891 ug/L

RT: 7.88 min Scan# 2087

Delta R.T. 0.00 min

Lab File: VU026820.D

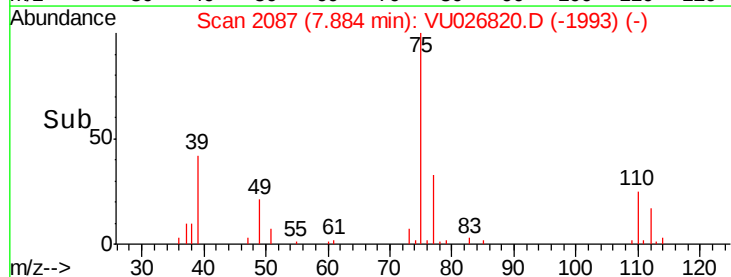
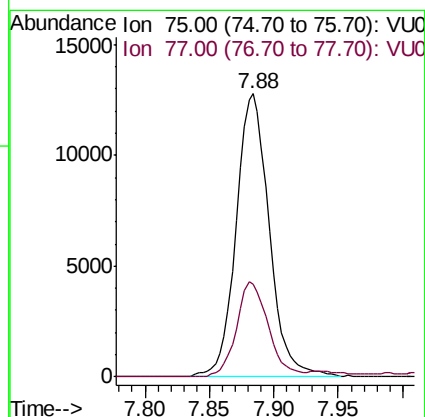
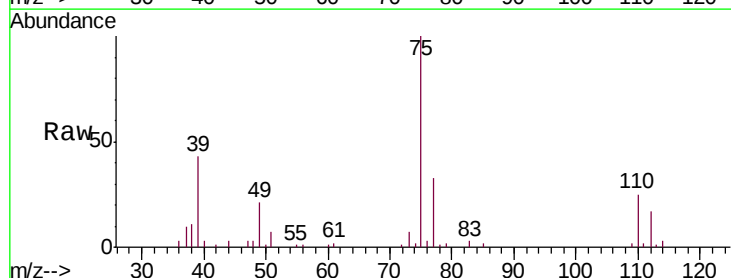
Acq: 17 Sep 2018 13:14

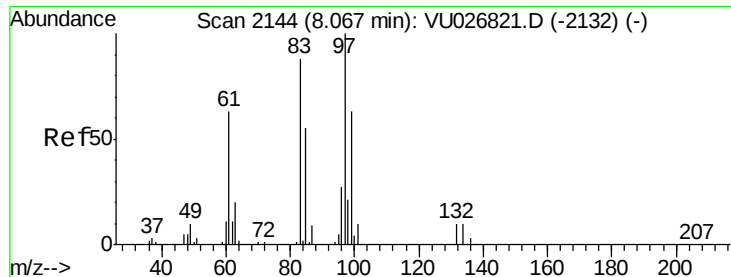
Tgt Ion: 75 Resp: 22854

Ion Ratio Lower Upper

75 100

77 33.0 22.8 42.4

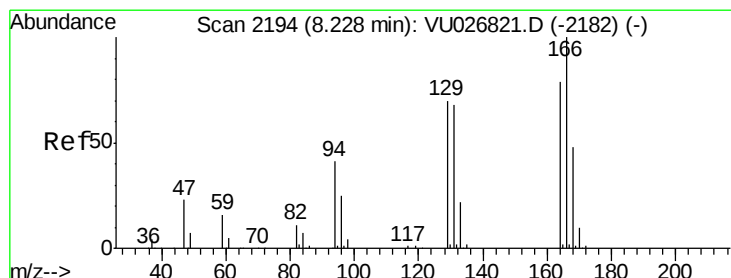
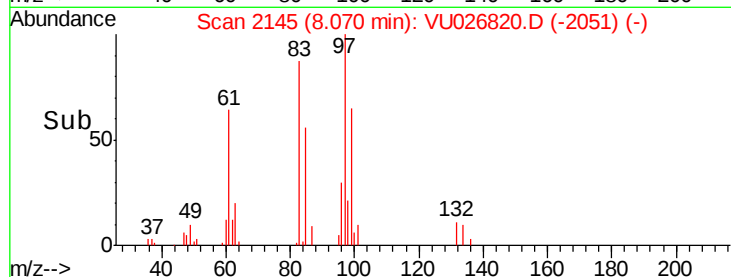
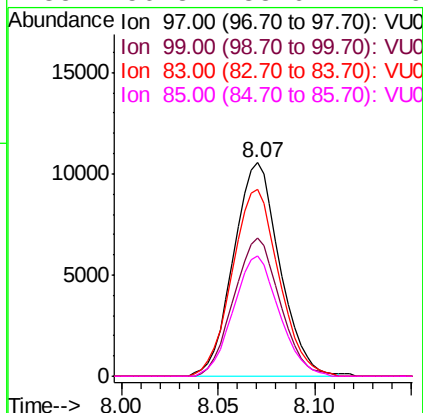
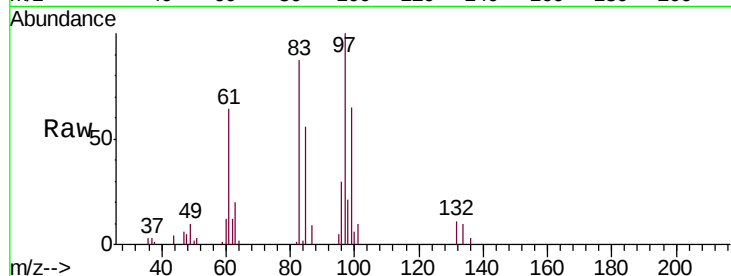




#45
 1,1,2-Trichloroethane
 Concen: 9.914 ug/L
 RT: 8.07 min Scan# 2145
 Delta R.T. 0.00 min
 Lab File: VU026820.D
 Acq: 17 Sep 2018 13:14

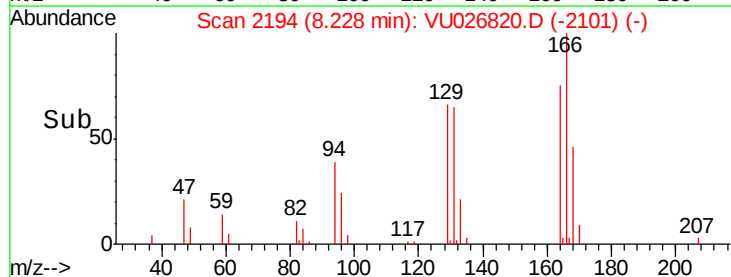
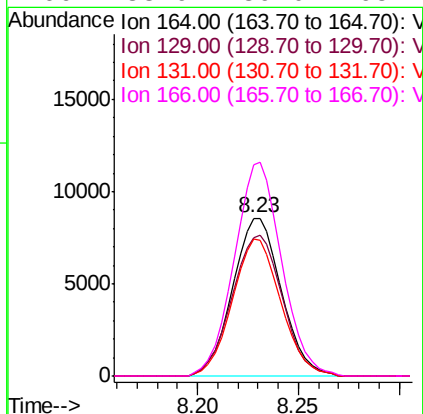
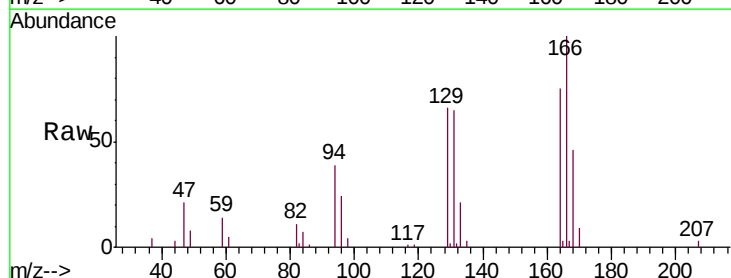
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01050

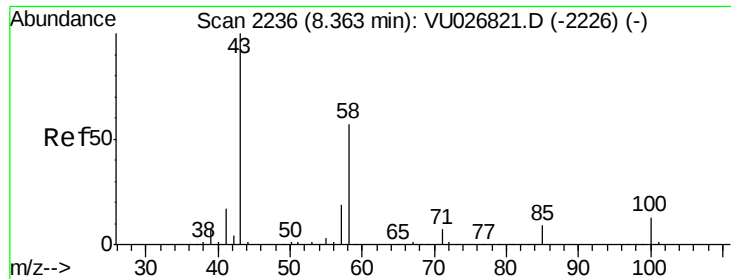
Tgt Ion:	97	Resp:	17566
Ion	Ratio	Lower	Upper
97	100		
99	64.7	44.3	82.3
83	87.2	61.5	114.1
85	56.3	38.6	71.6



#46
 Tetrachloroethene
 Concen: 9.634 ug/L
 RT: 8.23 min Scan# 2194
 Delta R.T. -0.00 min
 Lab File: VU026820.D
 Acq: 17 Sep 2018 13:14

Tgt Ion:	164	Resp:	14500
Ion	Ratio	Lower	Upper
164	100		
129	87.9	62.2	115.4
131	86.8	60.5	112.5
166	133.9	89.0	165.2

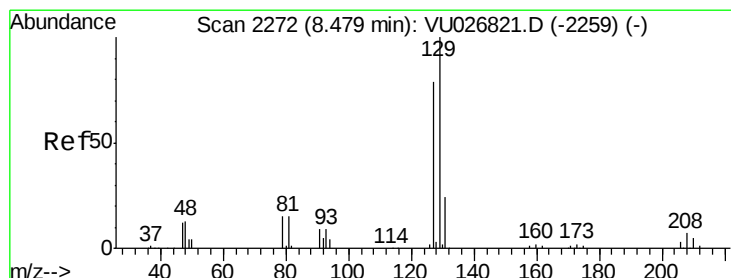
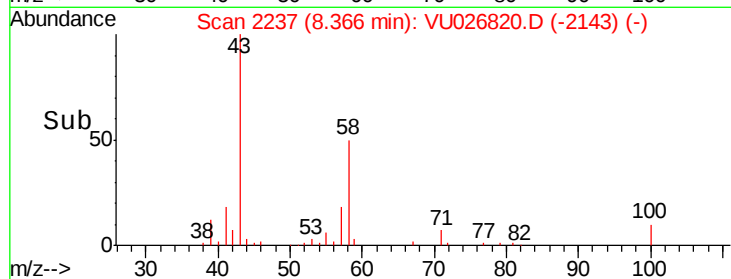
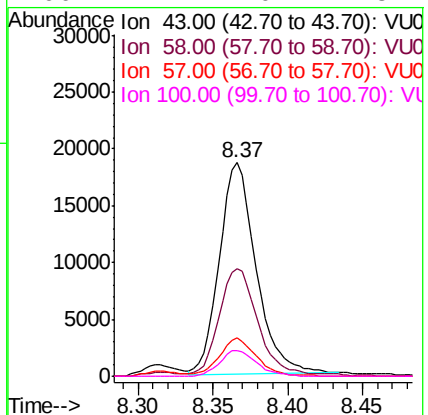
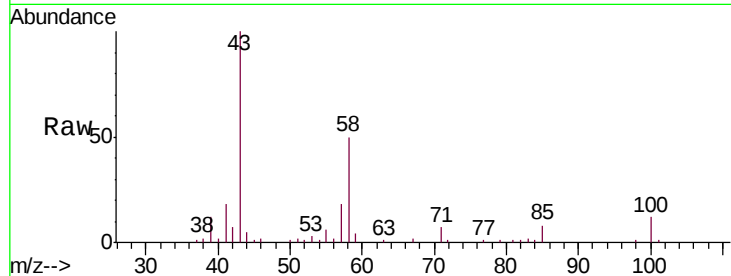




#48
2-Hexanone
Concen: 17.226 ug/L
RT: 8.37 min Scan# 2237
Delta R.T. 0.00 min
Lab File: VU026820.D
Acq: 17 Sep 2018 13:14

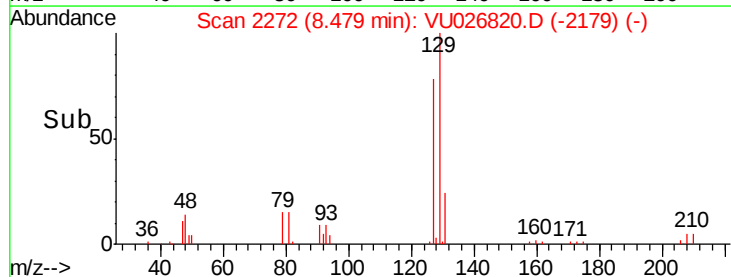
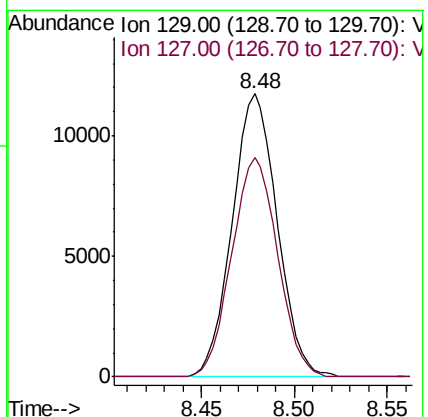
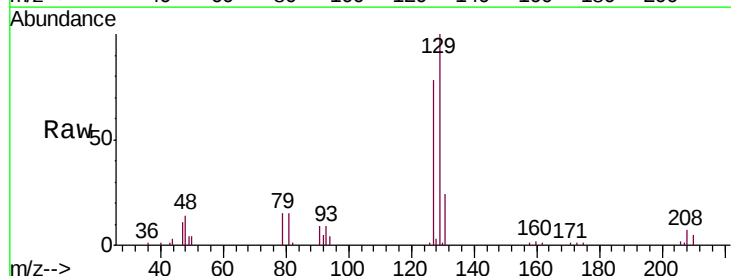
Instrument :
MSVOA_U
ClientSampleId :
VSTD01050

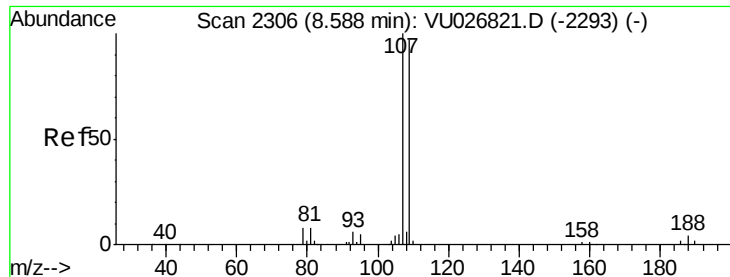
Tgt Ion: 43 Resp: 32088
Ion Ratio Lower Upper
43 100
58 51.3 44.9 67.3
57 16.4 15.4 23.2
100 12.1 10.2 15.4



#49
Dibromochloromethane
Concen: 9.862 ug/L
RT: 8.48 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VU026820.D
Acq: 17 Sep 2018 13:14

Tgt Ion: 129 Resp: 19780
Ion Ratio Lower Upper
129 100
127 77.5 55.2 102.4

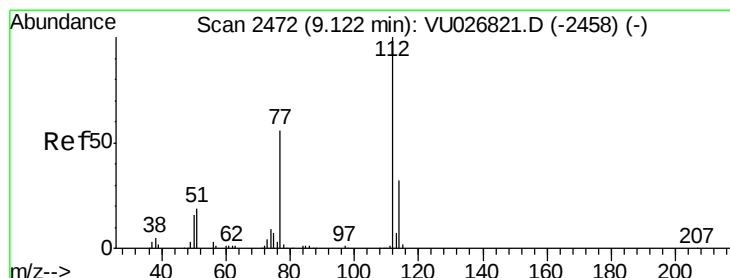
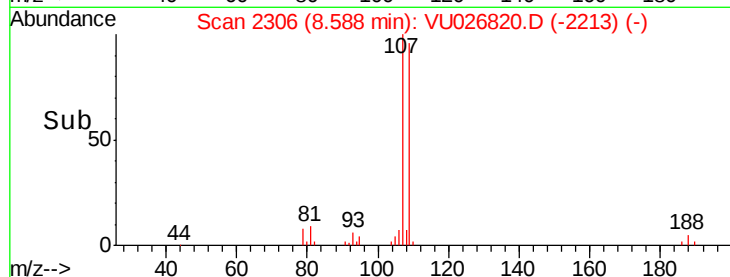
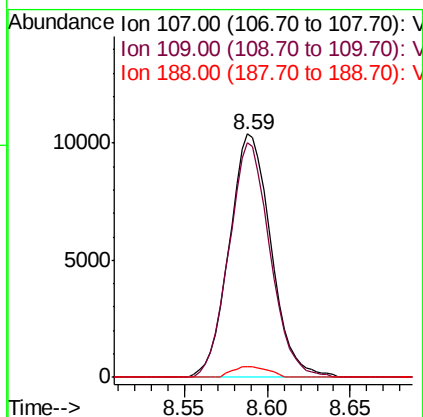
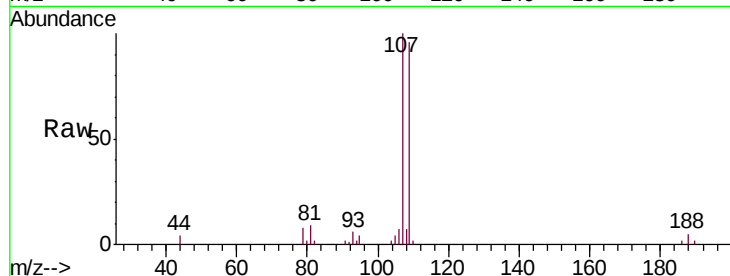




#50
1,2-Dibromoethane
Concen: 9.865 ug/L
RT: 8.59 min Scan# 2306
Delta R.T. -0.00 min
Lab File: VU026820.D
Acq: 17 Sep 2018 13:14

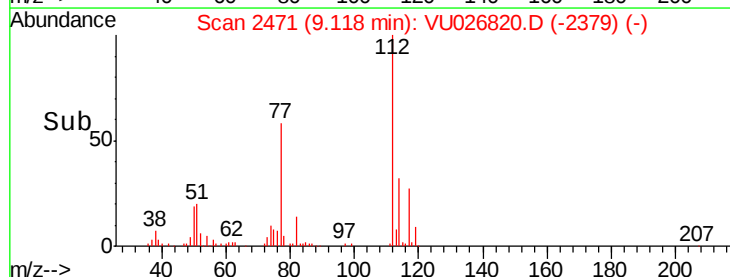
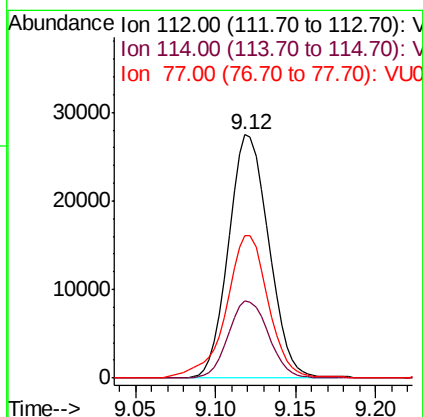
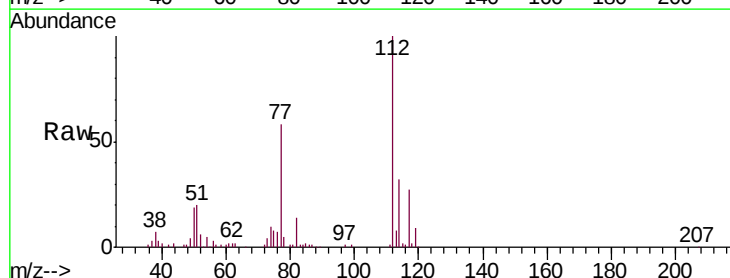
Instrument :
MSVOA_U
ClientSampleId :
VSTD01050

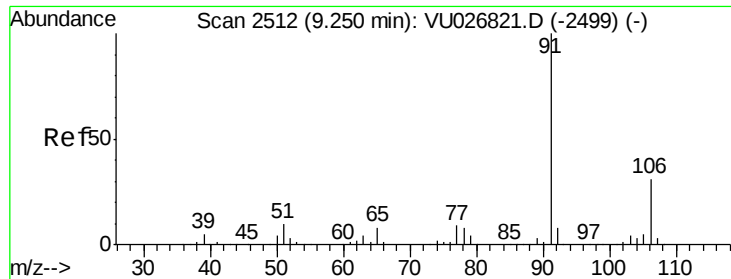
Tgt Ion:107 Resp: 18224
Ion Ratio Lower Upper
107 100
109 96.5 67.8 125.8
188 4.6 3.2 4.8



#51
Chlorobenzene
Concen: 9.695 ug/L
RT: 9.12 min Scan# 2471
Delta R.T. -0.00 min
Lab File: VU026820.D
Acq: 17 Sep 2018 13:14

Tgt Ion:112 Resp: 47100
Ion Ratio Lower Upper
112 100
114 31.7 22.3 41.5
77 58.3 45.1 67.7





#52

Ethylbenzene

Concen: 8.486 ug/L

RT: 9.25 min Scan# 2513

Delta R.T. 0.00 min

Lab File: VU026820.D

Acq: 17 Sep 2018 13:14

Instrument :

MSVOA_U

ClientSampleId :

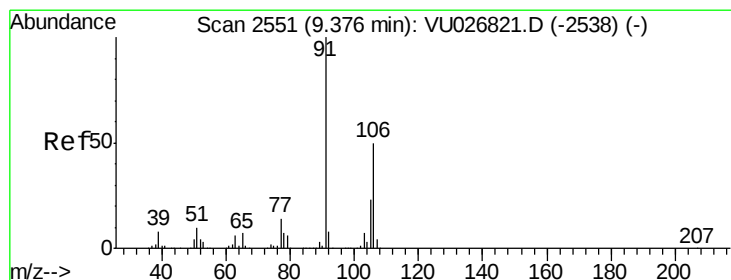
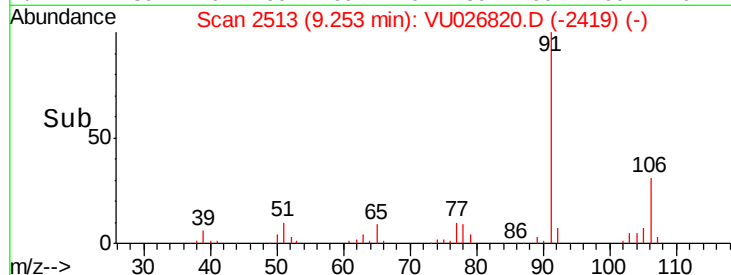
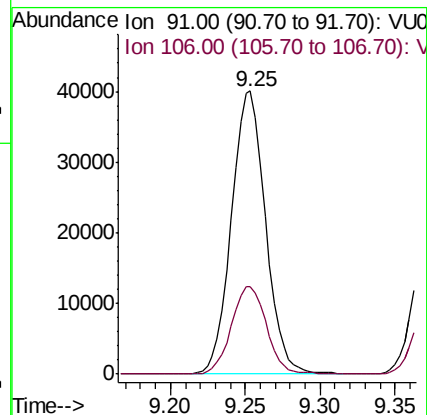
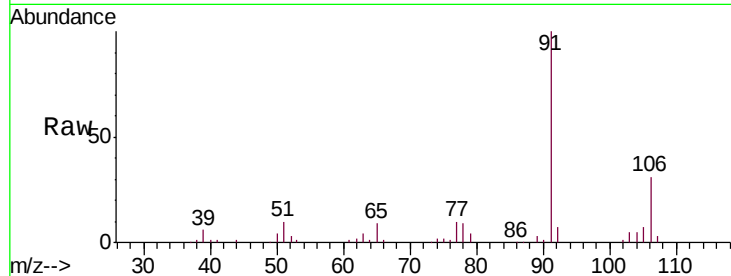
VSTD01050

Tgt Ion: 91 Resp: 63647

Ion Ratio Lower Upper

91 100

106 31.0 22.0 40.8



#53

m,p-Xylene

Concen: 8.277 ug/L

RT: 9.38 min Scan# 2551

Delta R.T. -0.00 min

Lab File: VU026820.D

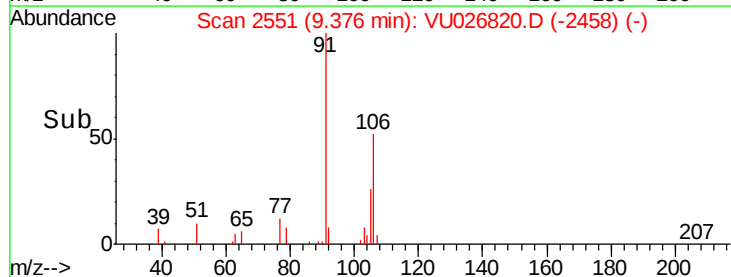
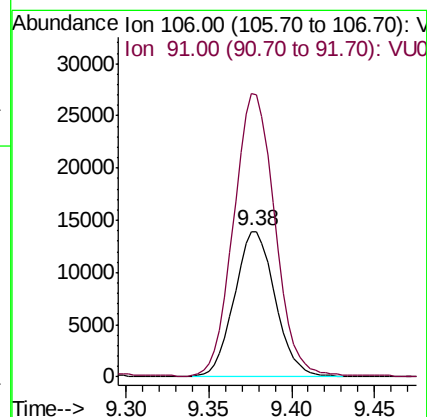
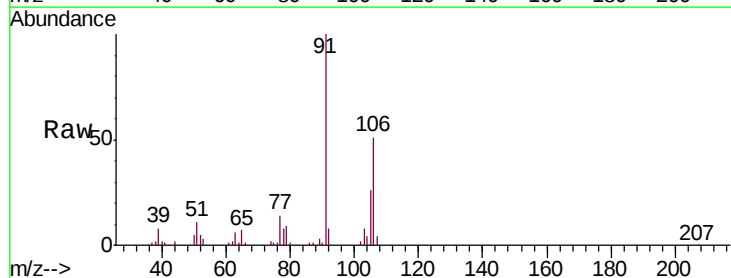
Acq: 17 Sep 2018 13:14

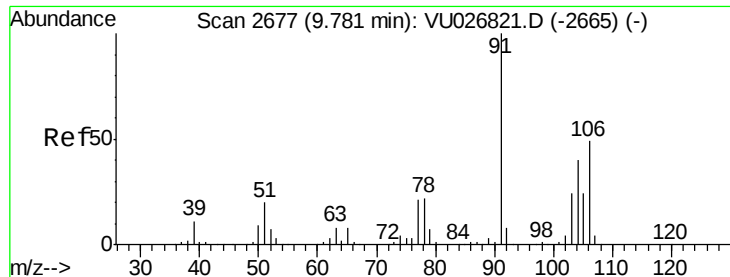
Tgt Ion: 106 Resp: 23865

Ion Ratio Lower Upper

106 100

91 194.5 139.2 258.6





#54

o-xylene

Concen: 8.175 ug/L

RT: 9.78 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VU026820.D

Acq: 17 Sep 2018 13:14

Instrument :

MSVOA_U

ClientSampleId :

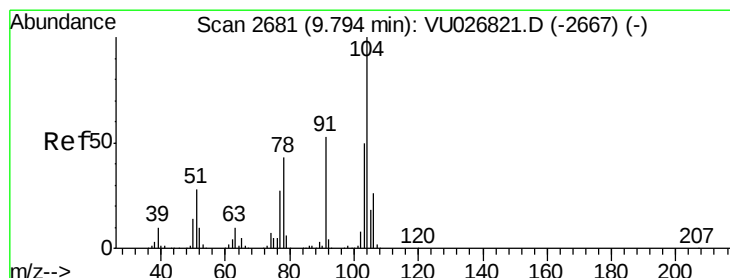
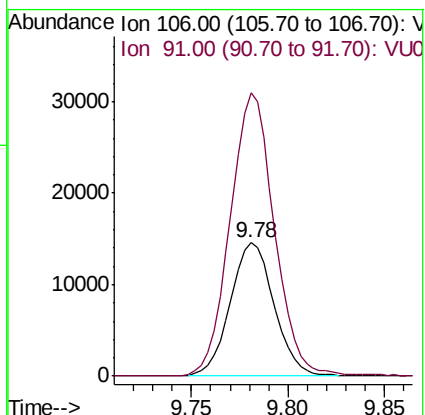
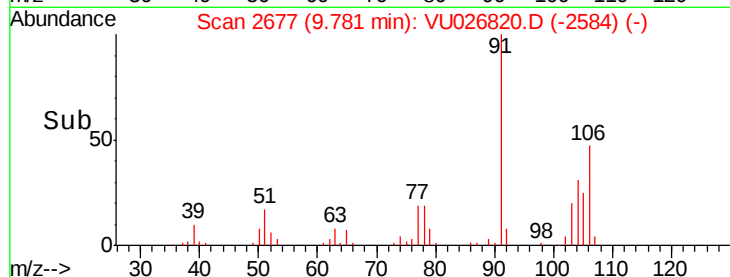
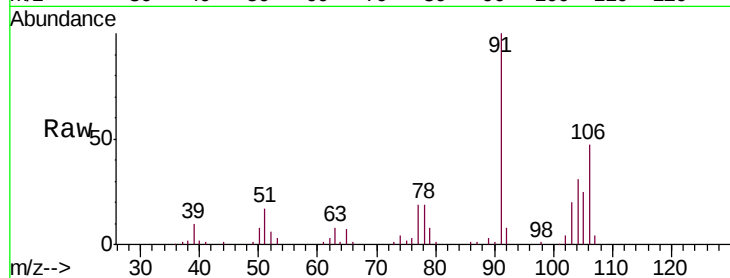
VSTD01050

Tgt Ion:106 Resp: 22965

Ion Ratio Lower Upper

106 100

91 212.7 143.1 265.9



#55

Styrene

Concen: 8.011 ug/L

RT: 9.79 min Scan# 2681

Delta R.T. -0.00 min

Lab File: VU026820.D

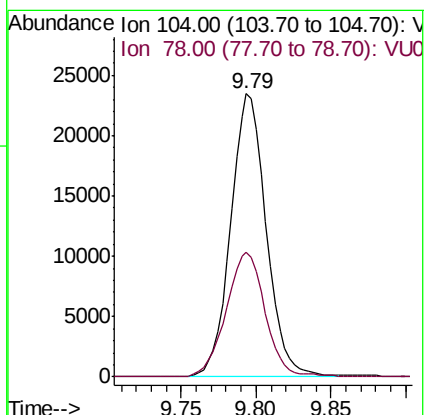
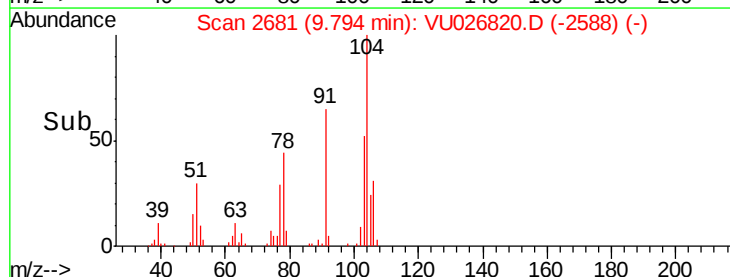
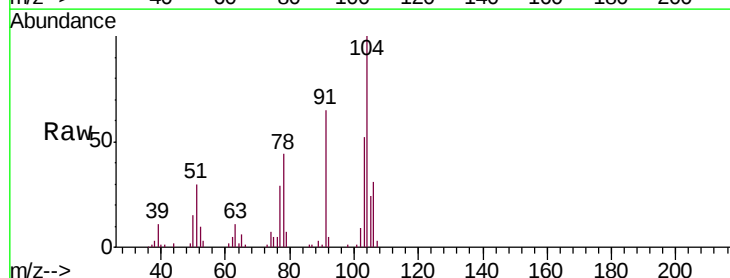
Acq: 17 Sep 2018 13:14

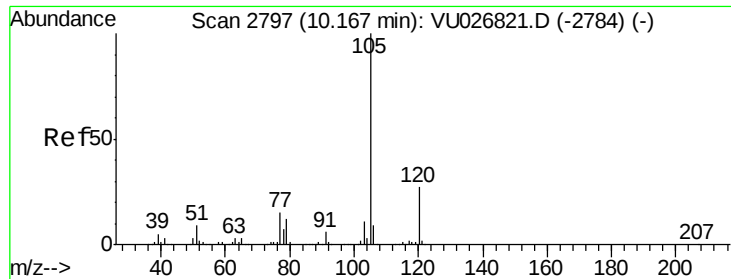
Tgt Ion:104 Resp: 38853

Ion Ratio Lower Upper

104 100

78 44.3 30.5 56.7





#56

Isopropylbenzene

Concen: 8.040 ug/L

RT: 10.17 min Scan# 2798

Delta R.T. 0.00 min

Lab File: VU026820.D

Acq: 17 Sep 2018 13:14

Instrument :

MSVOA_U

ClientSampleId :

VSTD01050

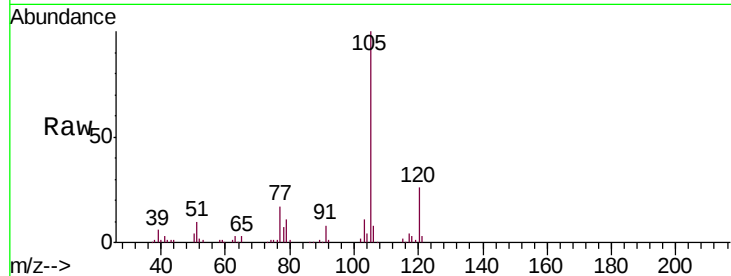
Tgt Ion: 105 Resp: 57692

Ion Ratio Lower Upper

105 100

120 26.2 21.4 32.2

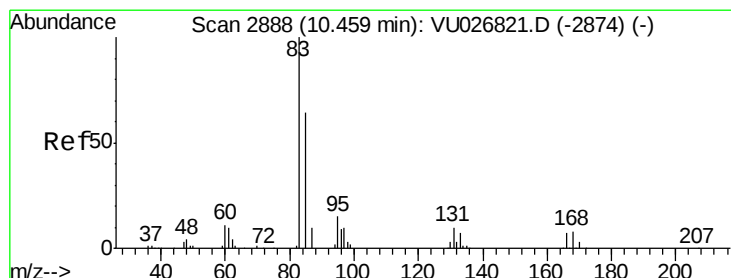
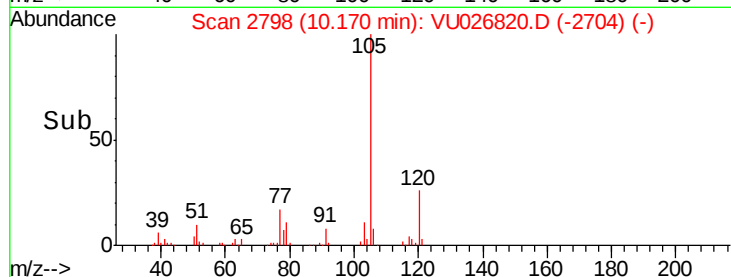
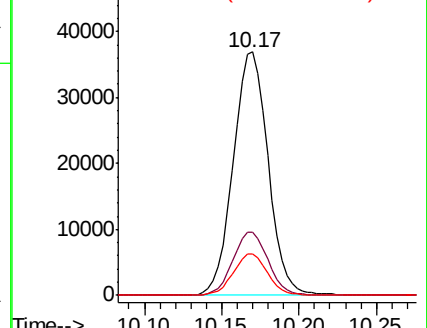
77 16.7 12.2 18.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 10.052 ug/L

RT: 10.46 min Scan# 2888

Delta R.T. -0.00 min

Lab File: VU026820.D

Acq: 17 Sep 2018 13:14

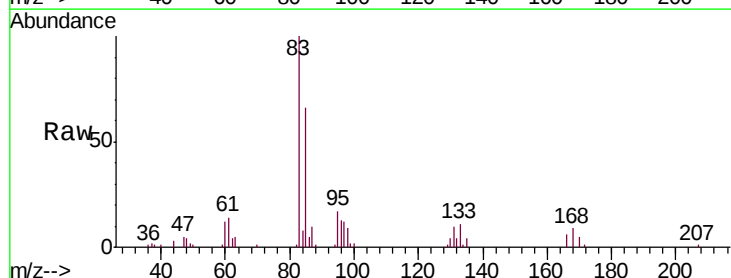
Tgt Ion: 83 Resp: 29959

Ion Ratio Lower Upper

83 100

85 65.6 45.4 84.2

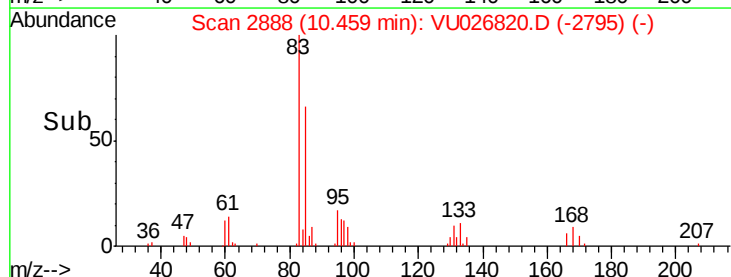
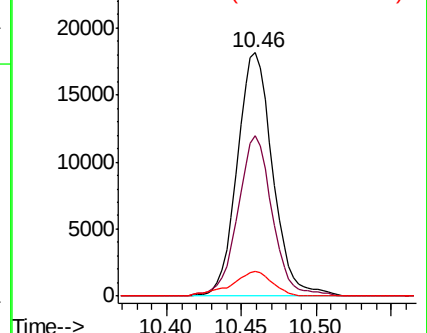
131 10.2 7.9 11.9

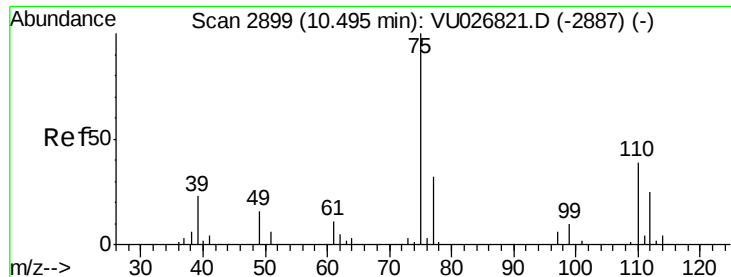


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 10.050 ug/L

RT: 10.49 min Scan# 2899

Delta R.T. -0.00 min

Lab File: VU026820.D

Acq: 17 Sep 2018 13:14

Instrument :

MSVOA_U

ClientSampleId :

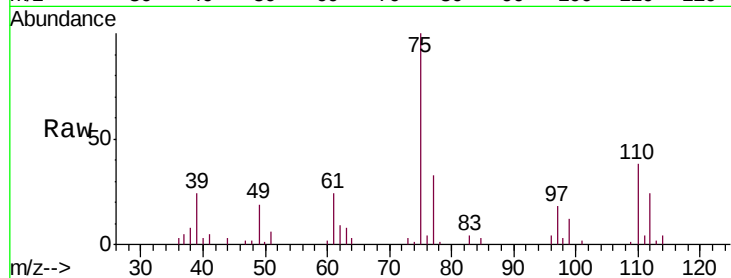
VSTD01050

Tgt Ion: 75 Resp: 23397

Ion Ratio Lower Upper

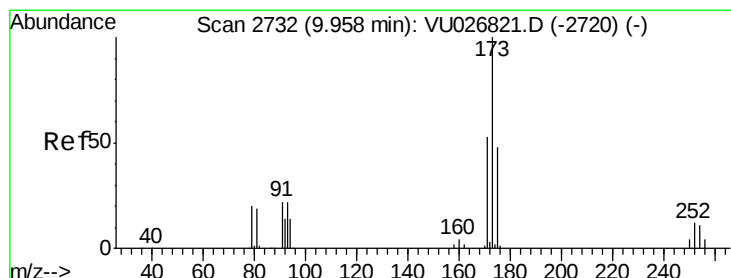
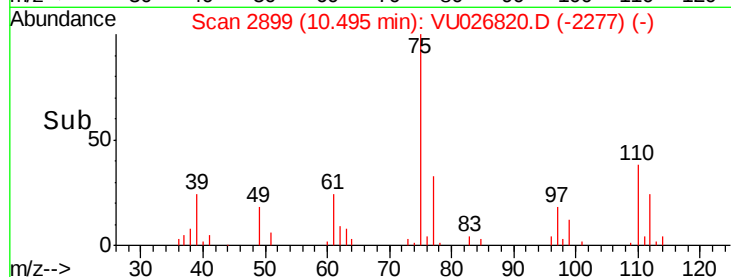
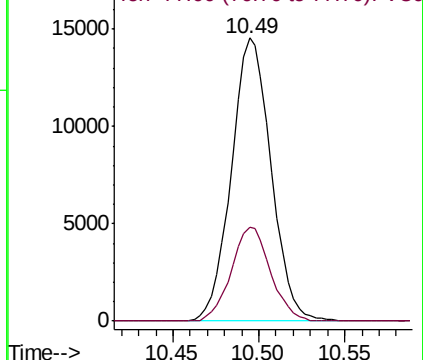
75 100

77 32.7 25.5 38.3



Abundance Ion 75.00 (74.70 to 75.70): VU026821.D (-2887) (-)

Ion 77.00 (76.70 to 77.70): VU026821.D (-2887) (-)



#61

Bromoform

Concen: 10.723 ug/L

RT: 9.96 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU026820.D

Acq: 17 Sep 2018 13:14

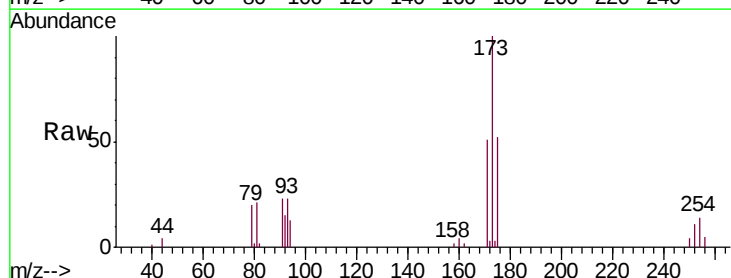
Tgt Ion: 173 Resp: 14263

Ion Ratio Lower Upper

173 100

175 49.8 38.6 57.8

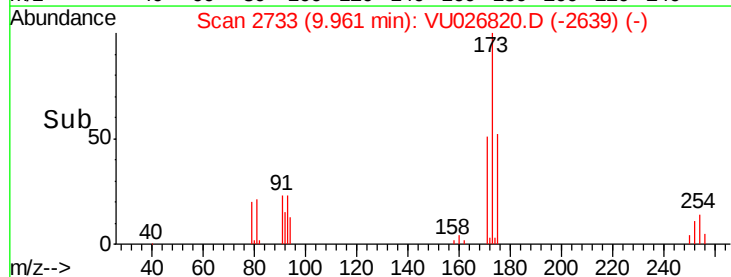
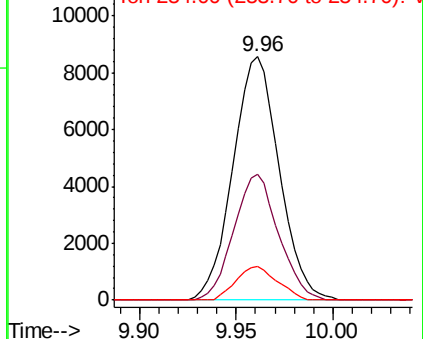
254 12.2 9.4 14.2

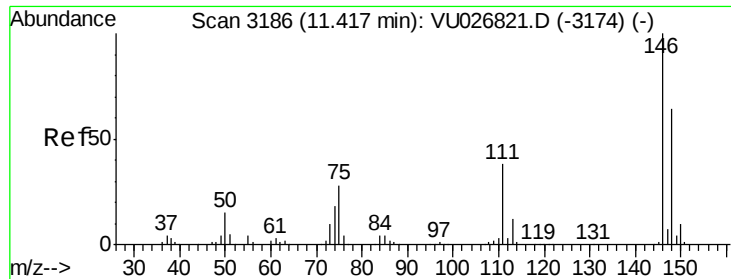


Abundance Ion 173.00 (172.70 to 173.70): VU026821.D (-2720) (-)

Ion 175.00 (174.70 to 175.70): VU026821.D (-2720) (-)

Ion 254.00 (253.70 to 254.70): VU026821.D (-2720) (-)

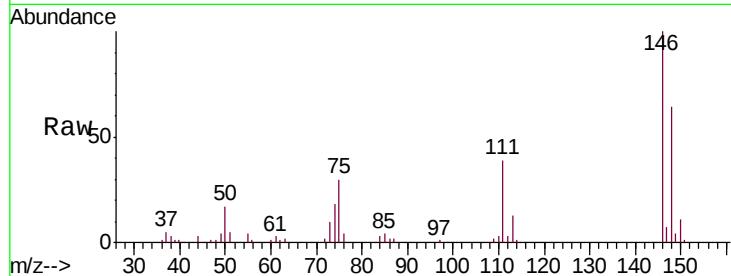




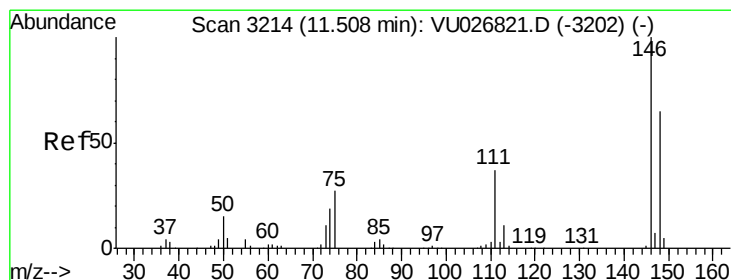
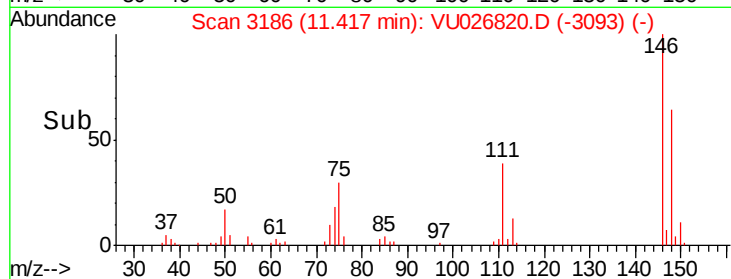
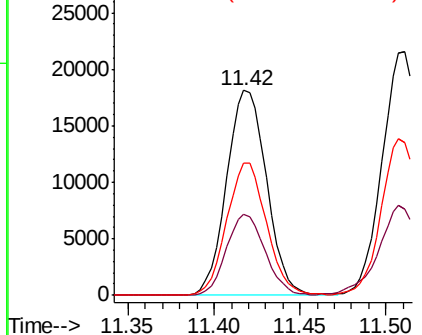
#62
 1,3-Dichlorobenzene
 Concen: 9.527 ug/L
 RT: 11.42 min Scan# 3186
 Delta R.T. -0.00 min
 Lab File: VU026820.D
 Acq: 17 Sep 2018 13:14

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01050

Tgt Ion:146 Resp: 29379
 Ion Ratio Lower Upper
 146 100
 111 39.4 26.7 49.7
 148 64.5 44.9 83.5

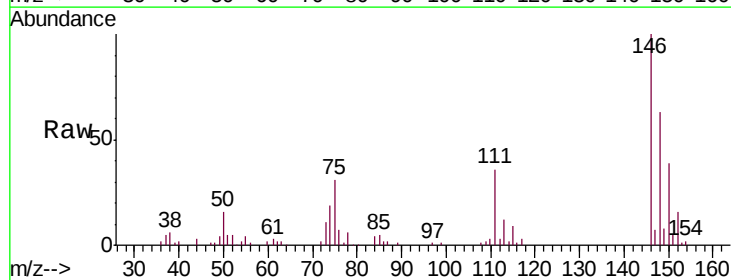


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

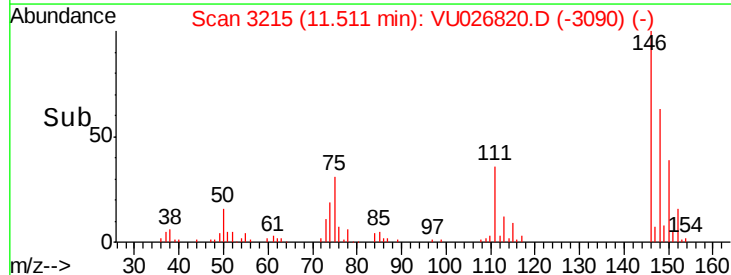
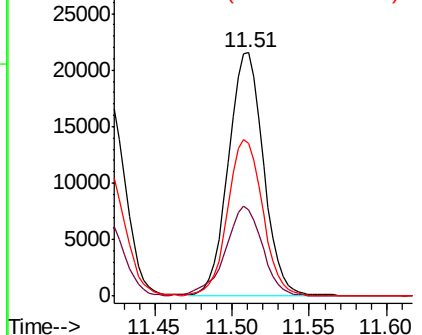


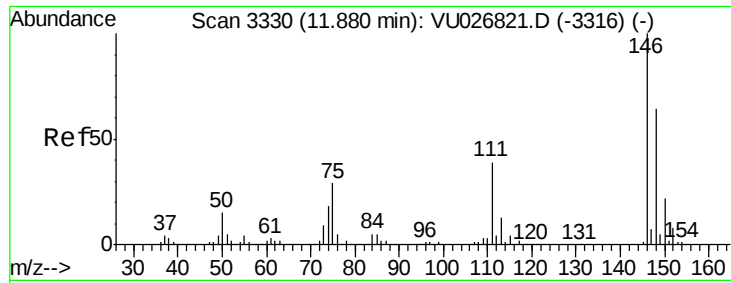
#63
 1,4-Dichlorobenzene
 Concen: 10.017 ug/L
 RT: 11.51 min Scan# 3215
 Delta R.T. 0.00 min
 Lab File: VU026820.D
 Acq: 17 Sep 2018 13:14

Tgt Ion:146 Resp: 34011
 Ion Ratio Lower Upper
 146 100
 111 35.6 26.0 48.2
 148 62.5 45.8 85.2



Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 10.159 ug/L

RT: 11.88 min Scan# 3330

Delta R.T. -0.00 min

Lab File: VU026820.D

Acq: 17 Sep 2018 13:14

Instrument :

MSVOA_U

ClientSampleId :

VSTD01050

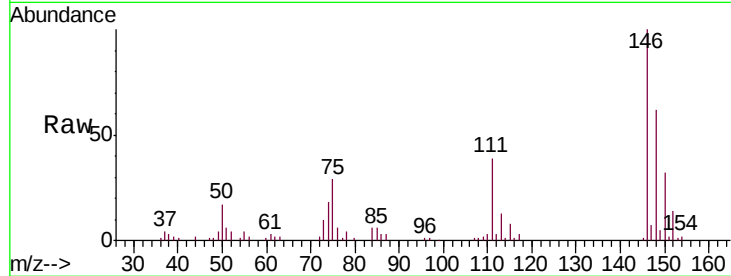
Tgt Ion:146 Resp: 34688

Ion Ratio Lower Upper

146 100

111 39.3 31.4 47.0

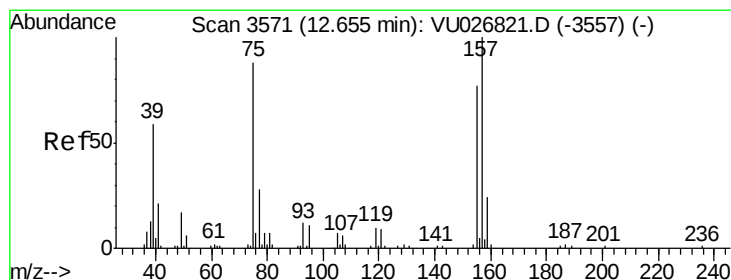
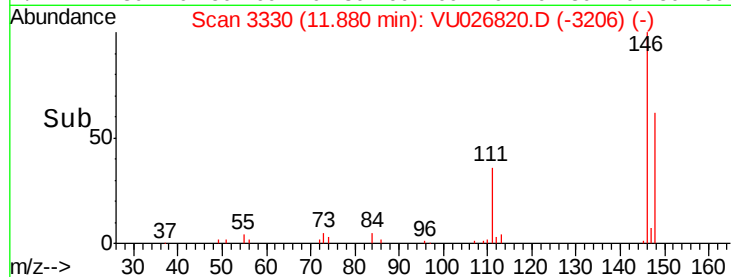
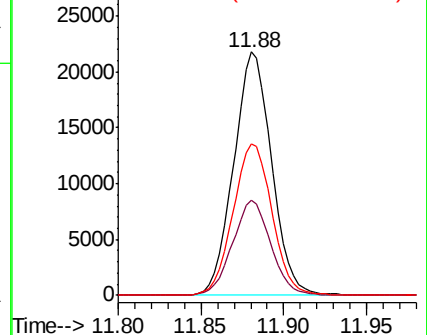
148 62.2 51.4 77.2



Abundance Ion 146.00 (145.70 to 146.70): 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: 10.751 ug/L

RT: 12.66 min Scan# 3572

Delta R.T. 0.00 min

Lab File: VU026820.D

Acq: 17 Sep 2018 13:14

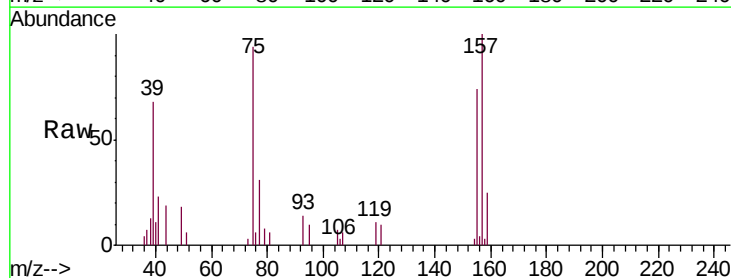
Tgt Ion: 75 Resp: 5569

Ion Ratio Lower Upper

75 100

155 78.2 69.5 104.3

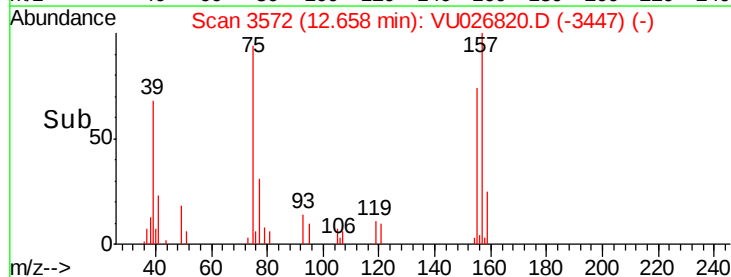
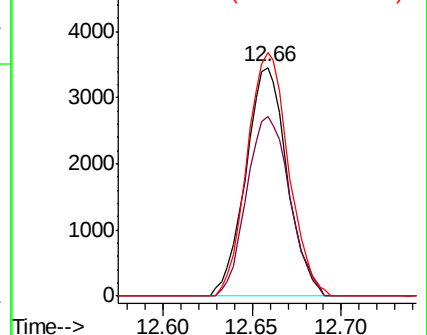
157 106.4 90.5 135.7

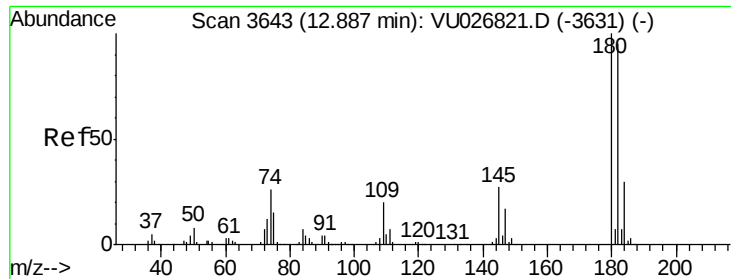


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

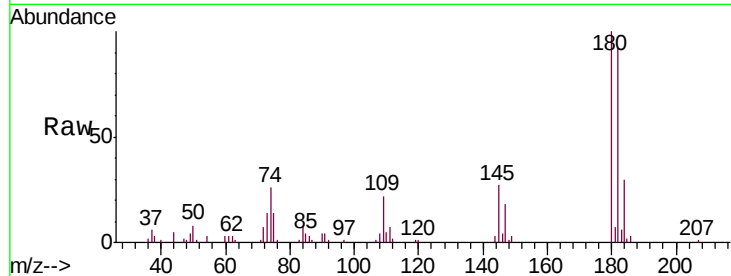




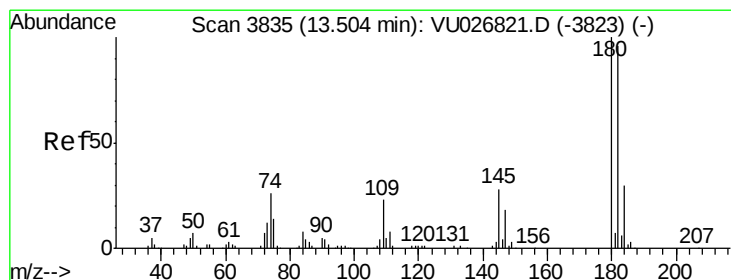
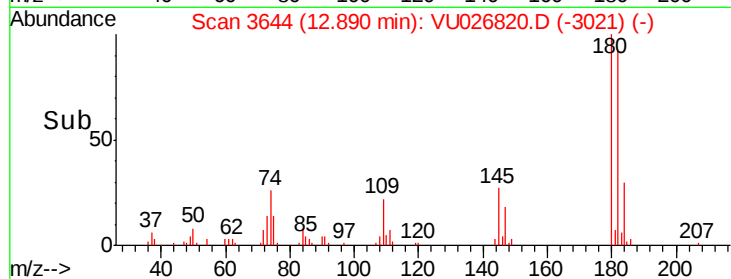
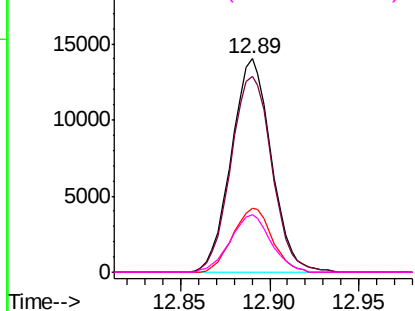
#67
 1,3,5-Trichlorobenzene
 Concen: 9.213 ug/L
 RT: 12.89 min Scan# 3644
 Delta R.T. 0.00 min
 Lab File: VU026820.D
 Acq: 17 Sep 2018 13:14

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01050

Tgt Ion:180 Resp: 21984
 Ion Ratio Lower Upper
 180 100
 182 94.0 76.7 115.1
 184 29.6 24.2 36.4
 145 27.3 21.8 32.6

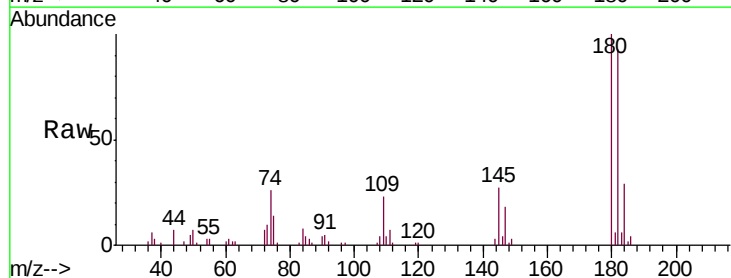


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

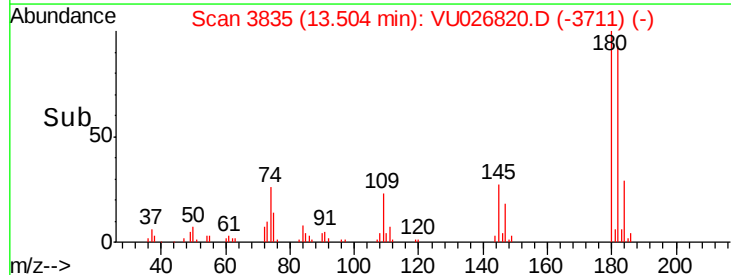
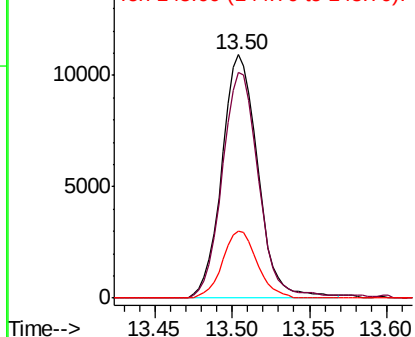


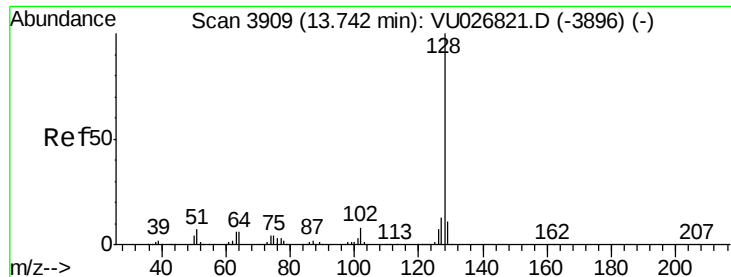
#68
 1,2,4-trichlorobenzene
 Concen: 8.585 ug/L
 RT: 13.50 min Scan# 3835
 Delta R.T. -0.00 min
 Lab File: VU026820.D
 Acq: 17 Sep 2018 13:14

Tgt Ion:180 Resp: 17654
 Ion Ratio Lower Upper
 180 100
 182 92.3 76.8 115.2
 145 26.3 22.2 33.2



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





#69

Naphthalene

Concen: 7.509 ug/L

RT: 13.75 min Scan# 3910

Delta R.T. 0.00 min

Lab File: VU026820.D

Acq: 17 Sep 2018 13:14

Instrument :

MSVOA_U

ClientSampleId :

VSTD01050

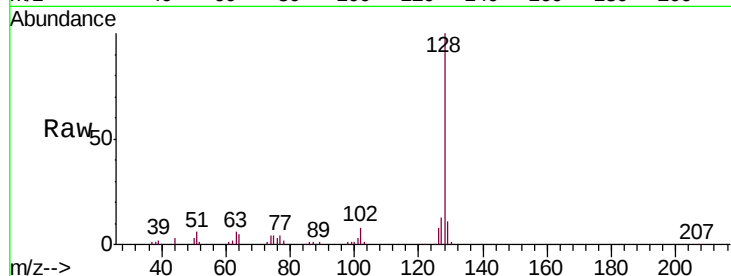
Tgt Ion:128 Resp: 45491

Ion Ratio Lower Upper

128 100

127 12.6 10.2 15.4

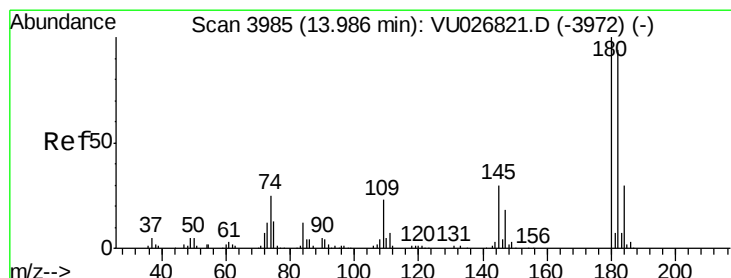
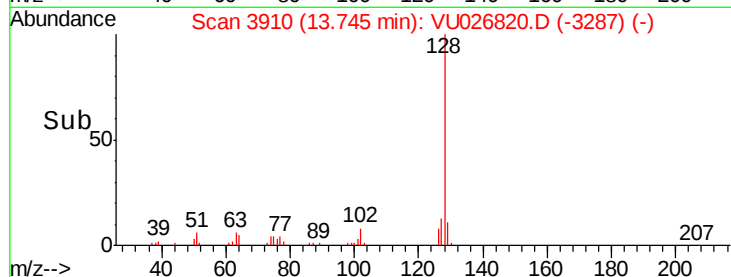
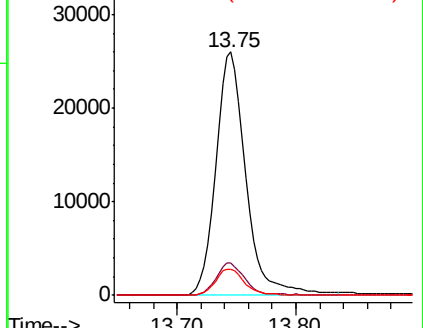
129 10.4 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 8.816 ug/L

RT: 13.99 min Scan# 3986

Delta R.T. 0.00 min

Lab File: VU026820.D

Acq: 17 Sep 2018 13:14

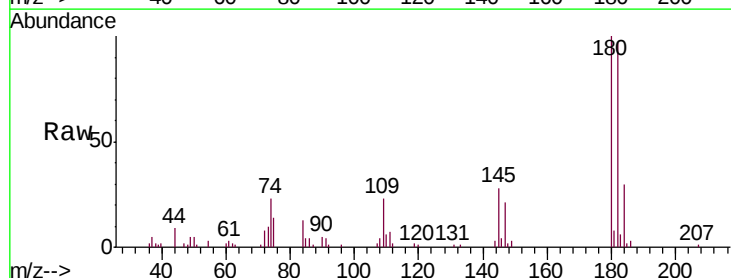
Tgt Ion:180 Resp: 19964

Ion Ratio Lower Upper

180 100

182 98.9 75.6 113.4

145 28.9 23.8 35.6



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

