

Data File : VU026132.D
Acq On : 15 Aug 2018 08:48
Operator : MD/SY
Sample : VSTD05062
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05062

Quant Time: Aug 16 02:01:44 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM081518WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Aug 16 02:00:17 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	308667	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	299126	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	151023	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	88280	48.71	ug/L	0.00
7) Chloroethane-d5	1.68	69	73746	49.50	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.27	63	176305	49.54	ug/L	0.00
21) 2-Butanone-d5	4.18	46	141778	101.95	ug/L	0.00
24) Chloroform-d	4.65	84	200960	49.50	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	133602	50.28	ug/L	0.00
32) Benzene-d6	5.35	84	391250	50.73	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.33	67	124752	49.20	ug/L	0.00
41) Toluene-d8	7.57	98	377404	51.13	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	61164	50.95	ug/L	0.00
47) 2-Hexanone-d5	8.31	63	108577	104.52	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.43	84	177454	49.73	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	155763	49.56	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	121436	49.691	ug/L	100
3) Chloromethane	1.33	50	108964	48.962	ug/L	100
5) Vinyl chloride	1.40	62	110582	49.765	ug/L	100
6) Bromomethane	1.62	94	58136	50.775	ug/L	100
8) Chloroethane	1.70	64	66392	49.902	ug/L	100
9) Trichlorofluoromethane	1.89	101	162420	49.501	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	88253	49.646	ug/L	100
12) 1,1-Dichloroethene	2.28	96	79743	48.884	ug/L	100
13) Acetone	2.32	43	126667	99.523	ug/L	100
14) Carbon disulfide	2.48	76	278313	49.202	ug/L	100
15) Methyl Acetate	2.62	43	111005	50.277	ug/L	100
16) Methylene chloride	2.70	84	106734	48.842	ug/L	100
17) trans-1,2-Dichloroethene	2.99	96	96233	49.731	ug/L	100
18) Methyl tert-butyl Ether	3.00	73	309019	50.310	ug/L	100
19) 1,1-Dichloroethane	3.45	63	187272	50.270	ug/L	100
20) cis-1,2-Dichloroethene	4.23	96	110563	50.961	ug/L	100
22) 2-Butanone	4.26	43	162125	102.246	ug/L	100
23) Bromochloromethane	4.55	128	60671	51.732	ug/L	100
25) Chloroform	4.68	83	196305	50.194	ug/L	100
27) 1,2-Dichloroethane	5.41	62	160820	50.860	ug/L	100
29) Cyclohexane	5.00	56	152818	51.129	ug/L	100
30) 1,1,1-Trichloroethane	4.92	97	176486	49.381	ug/L	100
31) Carbon tetrachloride	5.14	117	161223	49.792	ug/L	100
33) Benzene	5.39	78	408025	50.376	ug/L	100
34) Trichloroethene	6.19	95	105707	50.097	ug/L	100
35) Methylcyclohexane	6.42	83	162234	51.219	ug/L	100
37) 1,2-Dichloropropane	6.44	63	113898	50.351	ug/L	100
38) Bromodichloromethane	6.76	83	150232	50.160	ug/L	100
39) cis-1,3-Dichloropropene	7.27	75	170955	50.910	ug/L	100
40) 4-Methyl-2-pentanone	7.46	43	285842	101.864	ug/L	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.64	91	441595	51.338	ug/L	100
44) trans-1,3-Dichloropropene	7.88	75	165228	51.066	ug/L	100
45) 1,1,2-Trichloroethane	8.07	97	108526	50.600	ug/L	100
46) Tetrachloroethene	8.23	164	90236	49.587	ug/L	100
48) 2-Hexanone	8.36	43	228793	104.061	ug/L	100
49) Dibromochloromethane	8.48	129	129353	50.076	ug/L	100
50) 1,2-Dibromoethane	8.59	107	112797	50.648	ug/L	100
51) Chlorobenzene	9.12	112	292595	49.773	ug/L	100
52) Ethylbenzene	9.25	91	482725	51.518	ug/L	100
53) m,p-Xylene	9.38	106	189215	52.402	ug/L	100
54) o-xylene	9.78	106	186359	51.722	ug/L	100
55) Styrene	9.80	104	319125	53.195	ug/L	100
56) Isopropylbenzene	10.17	105	482283	52.136	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.46	83	178561	49.853	ug/L	100
59) 1,2,3-Trichloropropane	10.50	75	139846	50.184	ug/L	100
61) Bromoform	9.96	173	97179	49.216	ug/L	100
62) 1,3-Dichlorobenzene	11.42	146	228902	50.578	ug/L	100
63) 1,4-Dichlorobenzene	11.51	146	230253	49.333	ug/L	100
65) 1,2-Dichlorobenzene	11.88	146	243772	50.399	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.66	75	39028	50.892	ug/L	100
67) 1,3,5-Trichlorobenzene	12.89	180	170485	51.010	ug/L	100
68) 1,2,4-trichlorobenzene	13.51	180	135049	53.337	ug/L	100
69) Naphthalene	13.74	128	411949	57.169	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	147127	54.190	ug/L	100

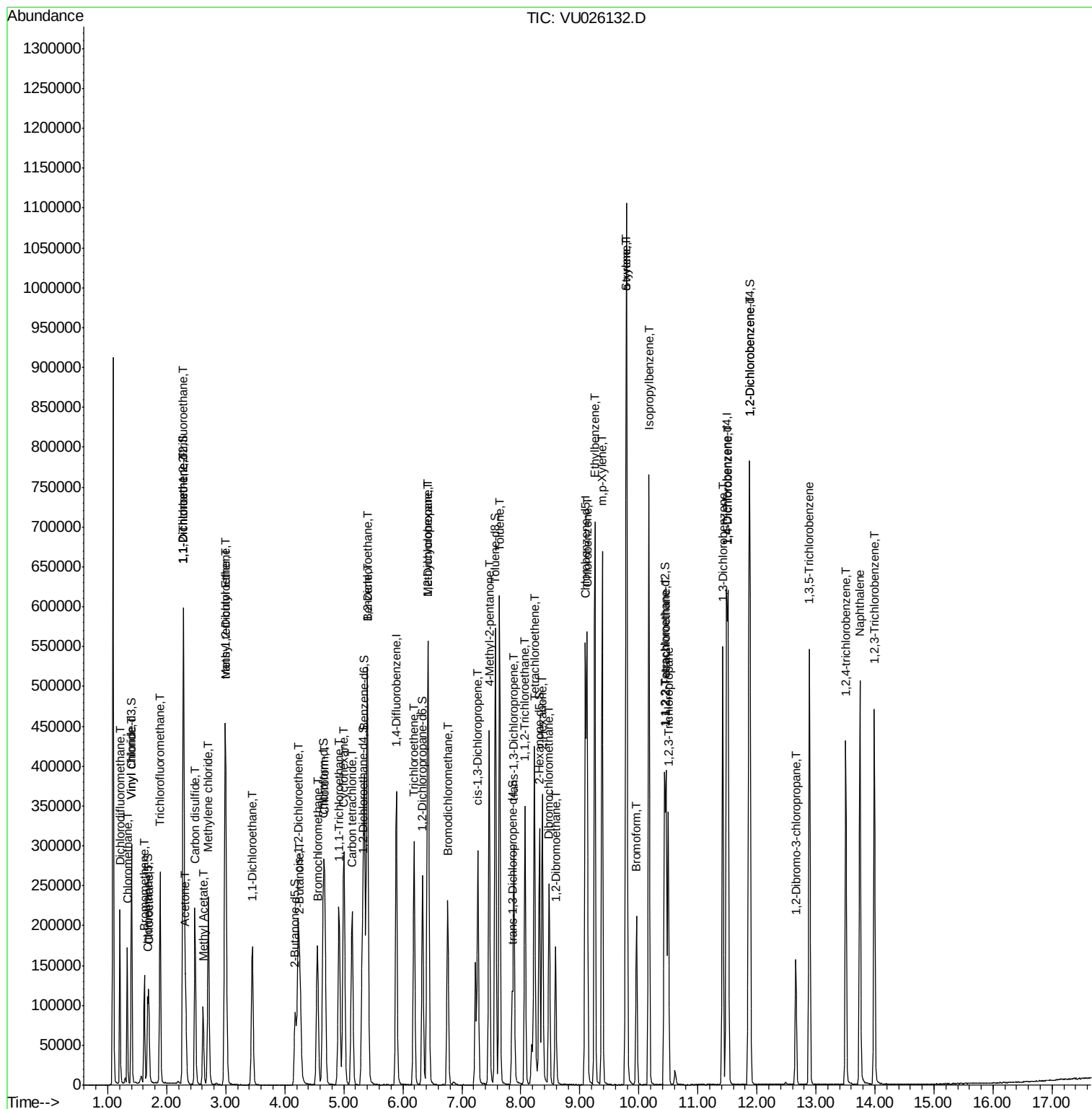
(#) = qualifier out of range (m) = manual integration (+) = signals summed

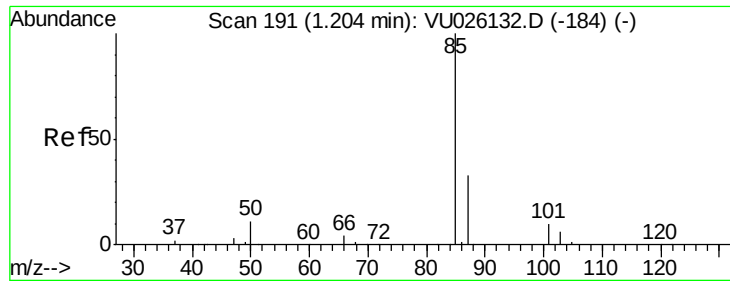
Data File : VU026132.D

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#2

Dichlorodifluoromethane

Concen: 49.691 ug/L

RT: 1.20 min Scan# 191

Delta R.T. 0.00 min

Lab File: VU026132.D

Acq: 15 Aug 2018 08:48

Instrument :

MSVOA_U

ClientSampled :

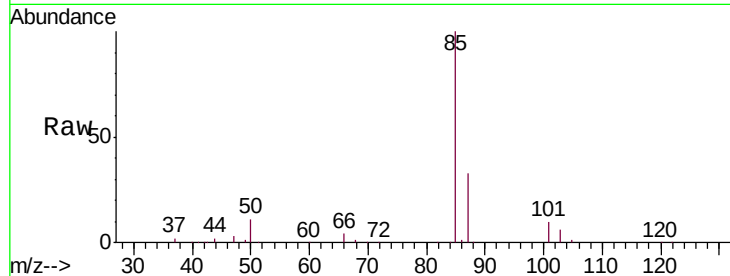
VSTD05062

Tgt Ion: 85 Resp: 121436

Ion Ratio Lower Upper

85 100

87 32.6 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VU026132.D (-184) (-)

Ion 87.00 (86.70 to 87.70): VU026132.D (-184) (-)

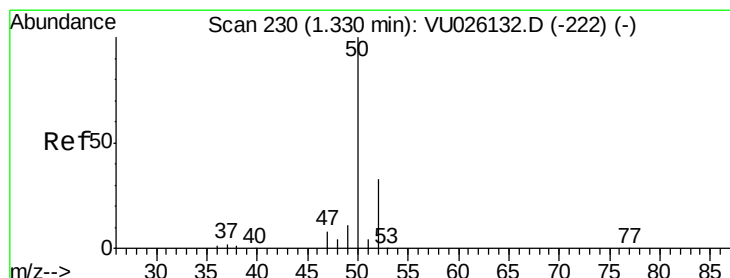
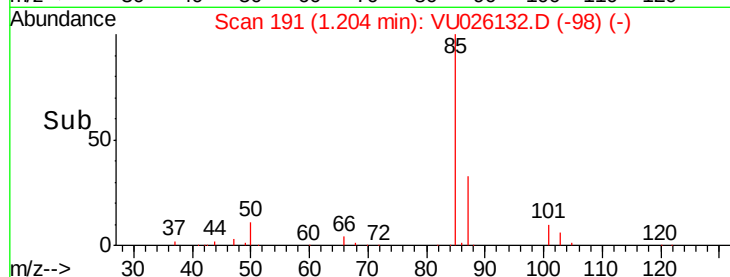
1.20

100000

50000

0

Time-->



#3

Chloromethane

Concen: 48.962 ug/L

RT: 1.33 min Scan# 230

Delta R.T. 0.00 min

Lab File: VU026132.D

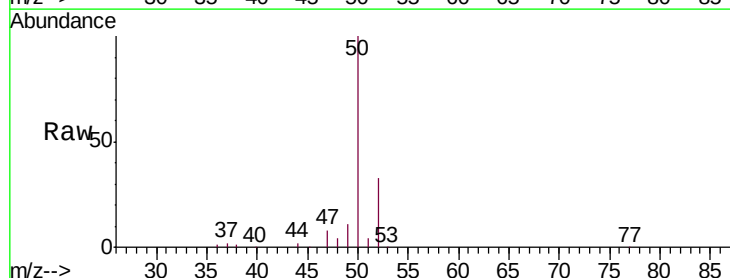
Acq: 15 Aug 2018 08:48

Tgt Ion: 50 Resp: 108964

Ion Ratio Lower Upper

50 100

52 32.9 23.0 42.8



Abundance Ion 50.00 (49.70 to 50.70): VU026132.D (-222) (-)

Ion 52.00 (51.70 to 52.70): VU026132.D (-222) (-)

1.33

120000

100000

80000

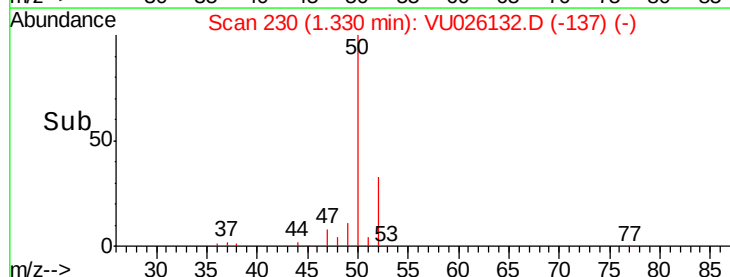
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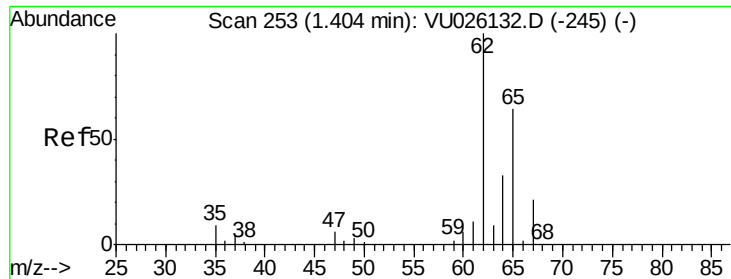
40000

20000

0

Time-->





#5

Vinyl chloride

Concen: 49.765 ug/L

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU026132.D

Acq: 15 Aug 2018 08:48

Instrument :

MSVOA_U

ClientSampleId :

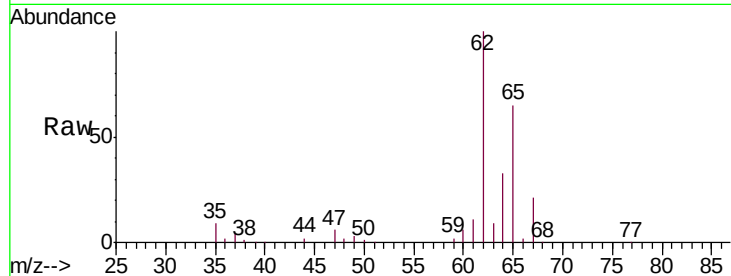
VSTD05062

Tgt Ion: 62 Resp: 110582

Ion Ratio Lower Upper

62 100

64 32.9 23.0 42.8



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0

120000

100000

80000

60000

40000

20000

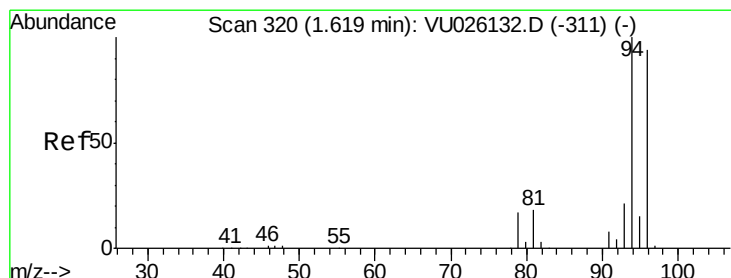
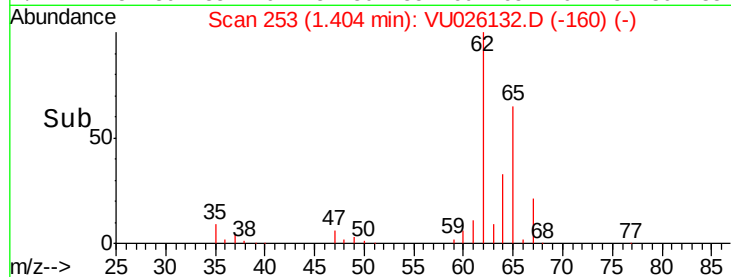
0

1.35

1.40

1.45

Time-->



#6

Bromomethane

Concen: 50.775 ug/L

RT: 1.62 min Scan# 320

Delta R.T. 0.00 min

Lab File: VU026132.D

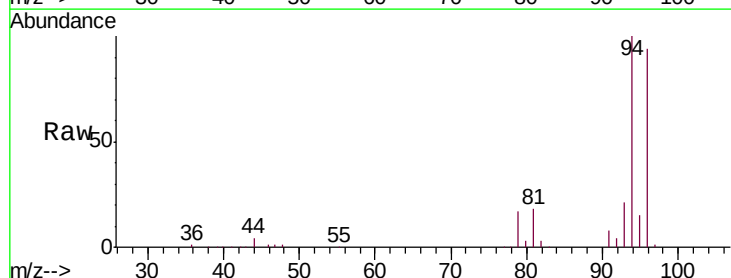
Acq: 15 Aug 2018 08:48

Tgt Ion: 94 Resp: 58136

Ion Ratio Lower Upper

94 100

96 94.2 65.9 122.5



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

50000

40000

30000

20000

10000

0

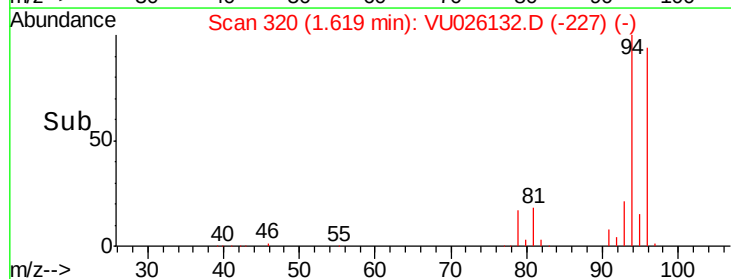
1.55

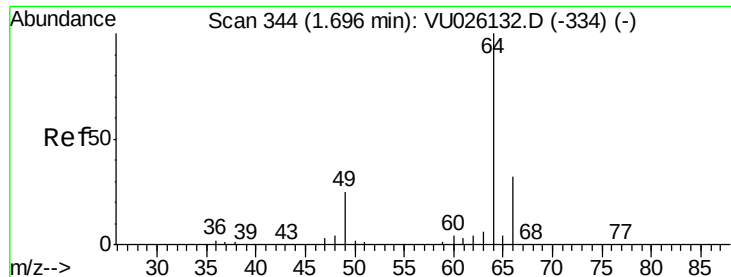
1.60

1.65

1.70

Time-->

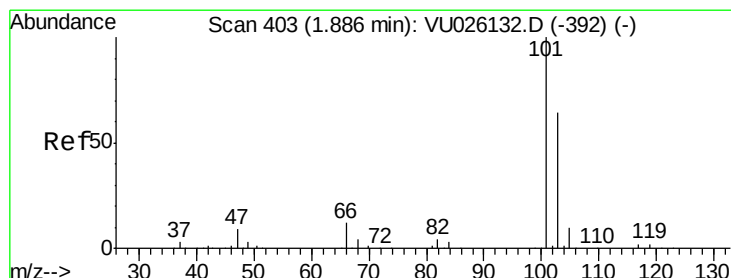
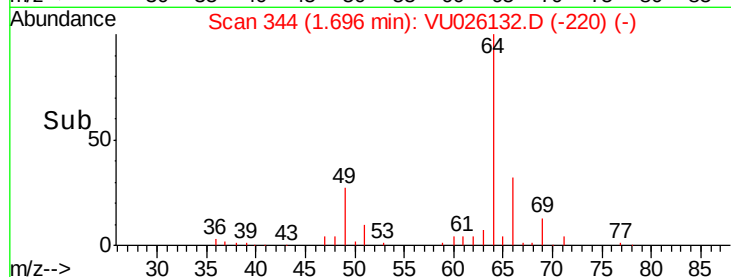
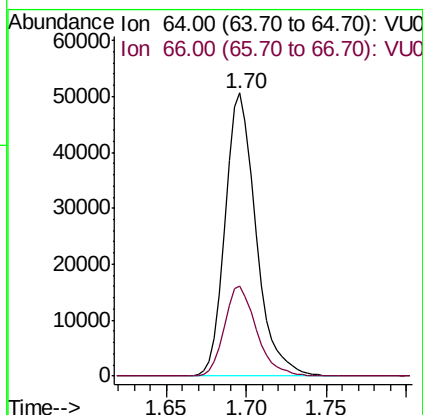
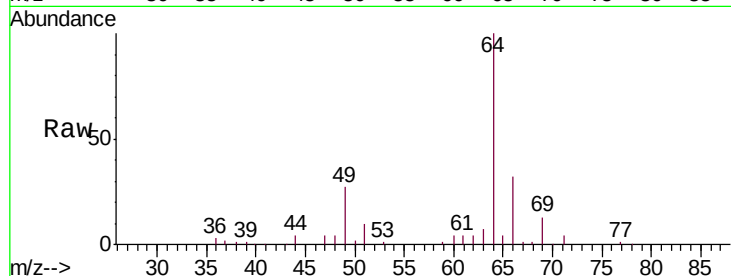




#8
Chloroethane
Concen: 49.902 ug/L
RT: 1.70 min Scan# 344
Delta R.T. 0.00 min
Lab File: VU026132.D
Acq: 15 Aug 2018 08:48

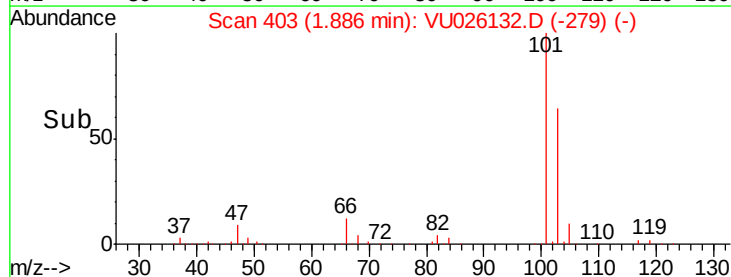
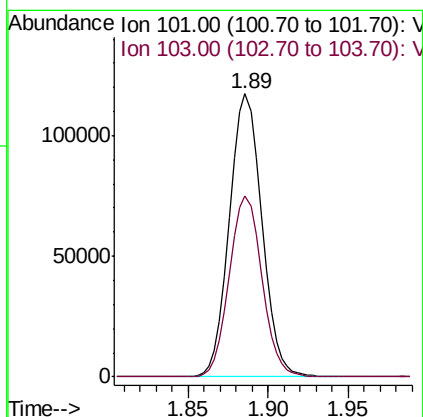
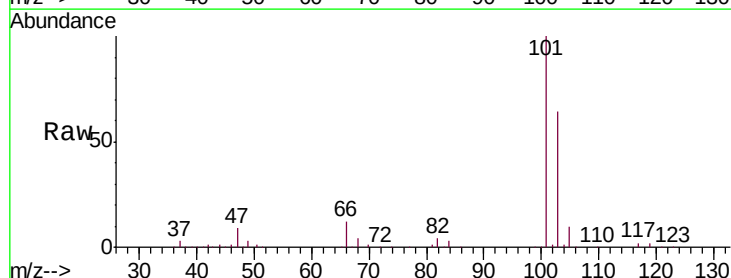
Instrument :
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ClientSampleId :
VSTD05062

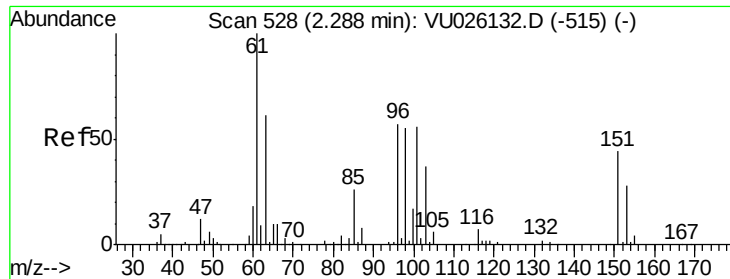
Tgt Ion: 64 Resp: 66392
Ion Ratio Lower Upper
64 100
66 31.7 22.2 41.2



#9
Trichlorofluoromethane
Concen: 49.501 ug/L
RT: 1.89 min Scan# 403
Delta R.T. 0.00 min
Lab File: VU026132.D
Acq: 15 Aug 2018 08:48

Tgt Ion: 101 Resp: 162420
Ion Ratio Lower Upper
101 100
103 64.3 51.4 77.2





#10

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

Concen: 49.646 ug/L

RT: 2.29 min Scan# 528

Delta R.T. 0.00 min

Lab File: VU026132.D

Acq: 15 Aug 2018 08:48

Instrument :

MSVOA_U

ClientSampleId :

VSTD05062

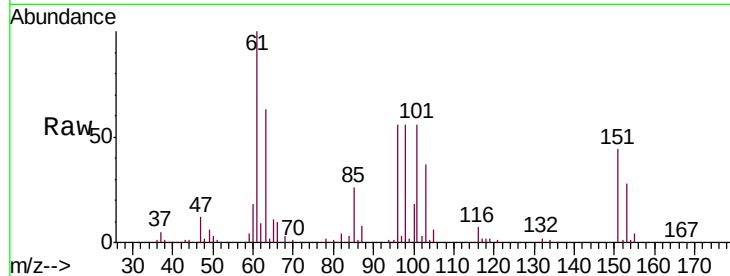
Tgt Ion:101 Resp: 88253

Ion Ratio Lower Upper

101 100

85 45.8 36.6 55.0

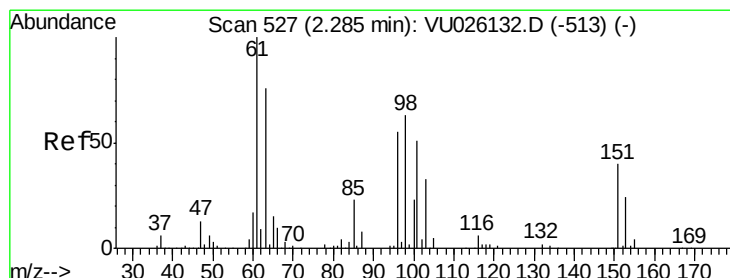
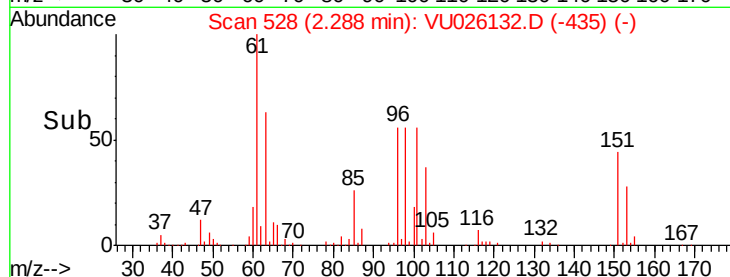
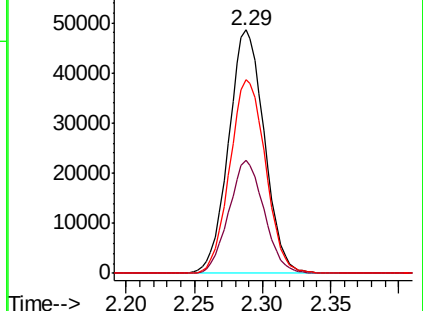
151 79.8 63.8 95.8



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: 48.884 ug/L

RT: 2.28 min Scan# 527

Delta R.T. 0.00 min

Lab File: VU026132.D

Acq: 15 Aug 2018 08:48

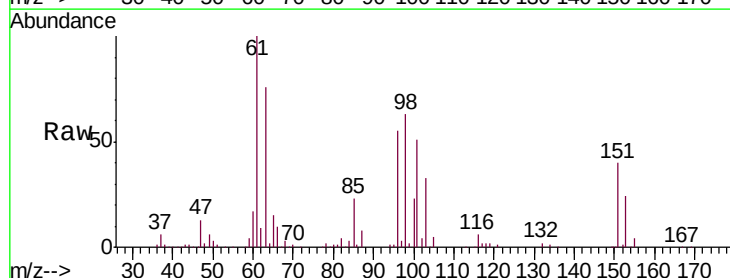
Tgt Ion: 96 Resp: 79743

Ion Ratio Lower Upper

96 100

61 181.1 126.8 235.4

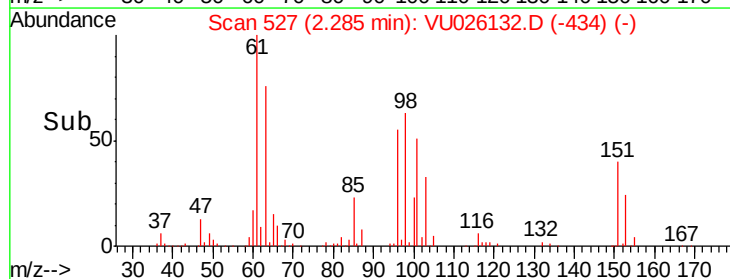
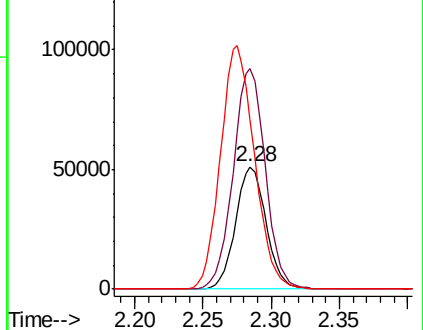
63 138.6 97.0 180.2

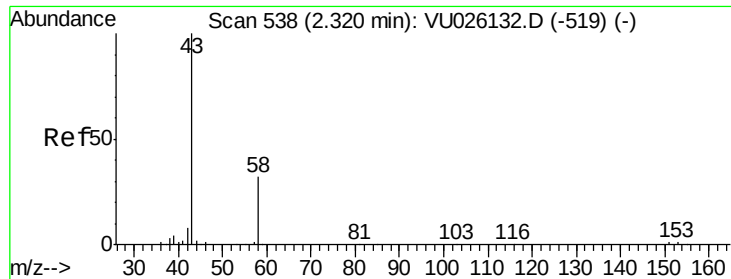


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 99.523 ug/L

RT: 2.32 min Scan# 538

Delta R.T. 0.00 min

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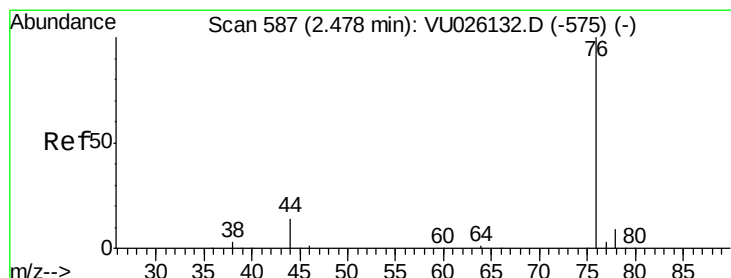
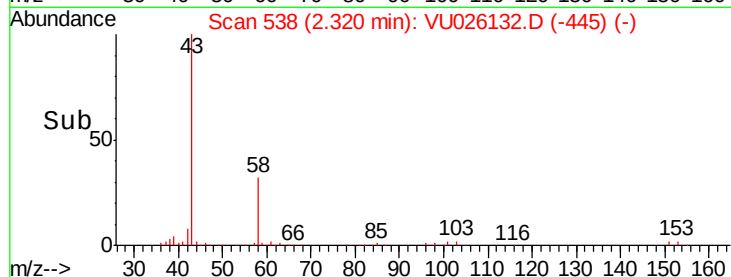
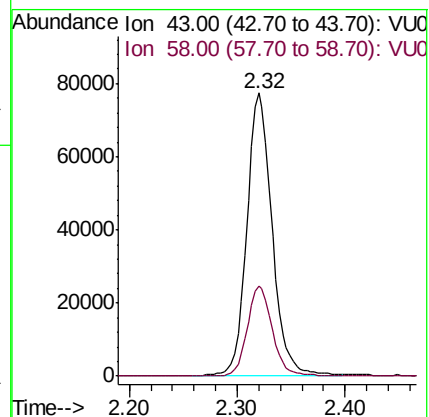
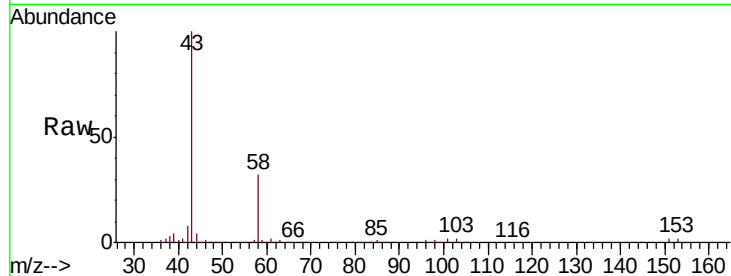
VSTD05062

Tgt Ion: 43 Resp: 126667

Ion Ratio Lower Upper

43 100

58 31.3 0.0 62.6



#14

Carbon disulfide

Concen: 49.202 ug/L

RT: 2.48 min Scan# 587

Delta R.T. 0.00 min

Lab File: VU026132.D

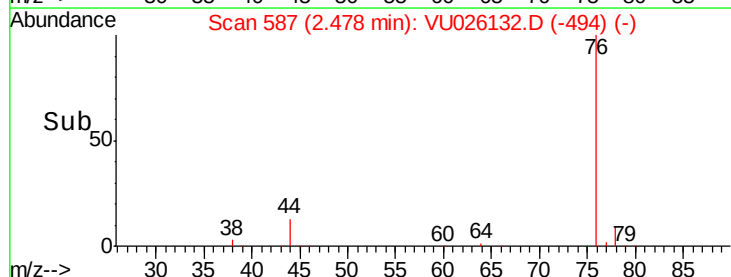
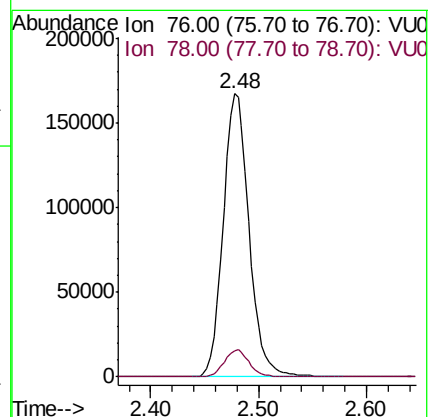
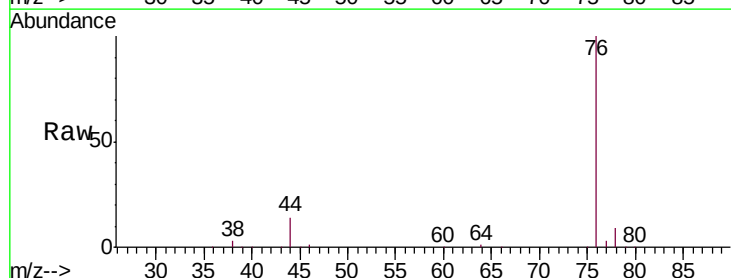
Acq: 15 Aug 2018 08:48

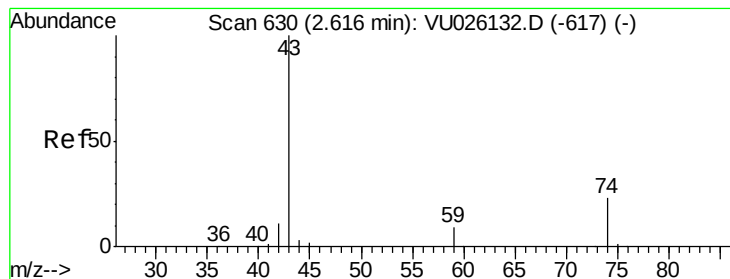
Tgt Ion: 76 Resp: 278313

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.2





#15

Methyl Acetate

Concen: 50.277 ug/L

RT: 2.62 min Scan# 630

Delta R.T. 0.00 min

Lab File: VU026132.D

Acq: 15 Aug 2018 08:48

Instrument :

MSVOA_U

ClientSampleId :

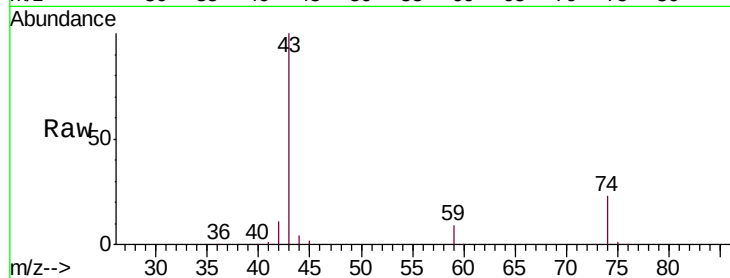
VSTD05062

Tgt Ion: 43 Resp: 111005

Ion Ratio Lower Upper

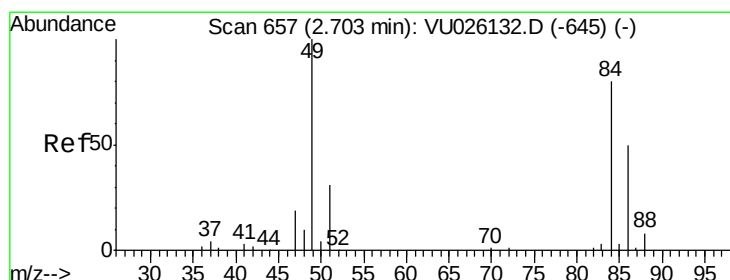
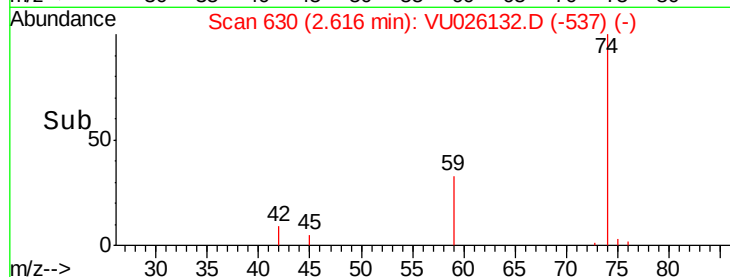
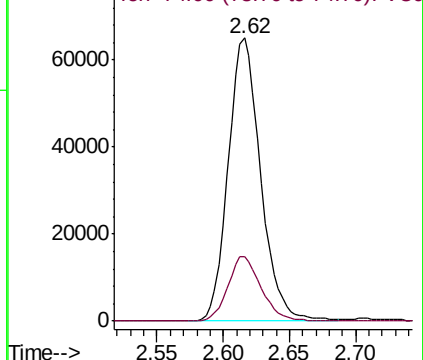
43 100

74 23.3 18.6 28.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0



#16

Methylene chloride

Concen: 48.842 ug/L

RT: 2.70 min Scan# 657

Delta R.T. 0.00 min

Lab File: VU026132.D

Acq: 15 Aug 2018 08:48

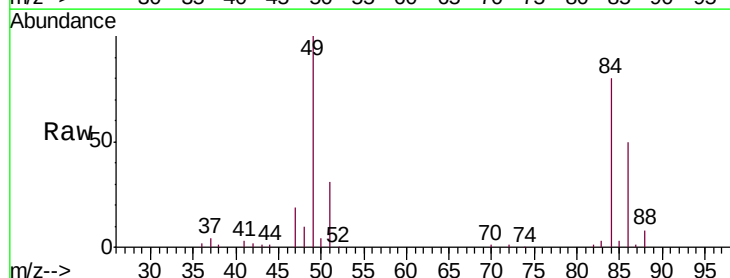
Tgt Ion: 84 Resp: 106734

Ion Ratio Lower Upper

84 100

86 62.8 44.0 81.6

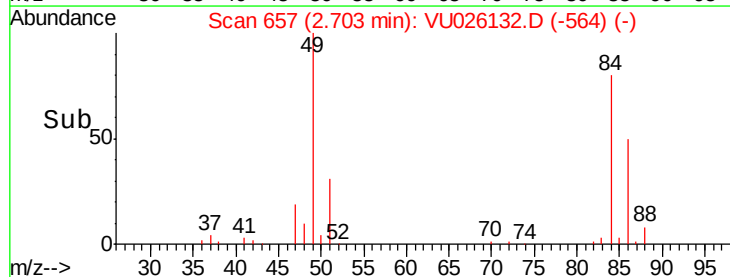
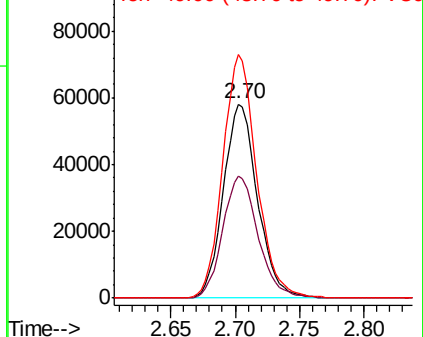
49 125.3 87.7 162.9

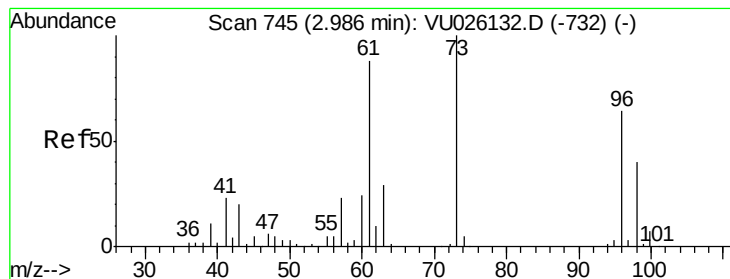


Abundance Ion 84.00 (83.70 to 84.70): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.00 (48.70 to 49.70): VU0





#17

trans-1,2-Dichloroethene

Concen: 49.731 ug/L

RT: 2.99 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU026132.D

Acq: 15 Aug 2018 08:48

Instrument :

MSVOA_U

ClientSampleId :

VSTD05062

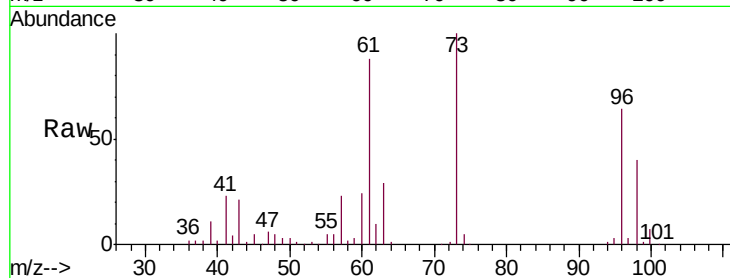
Tgt Ion: 96 Resp: 96233

Ion Ratio Lower Upper

96 100

61 138.1 96.7 179.5

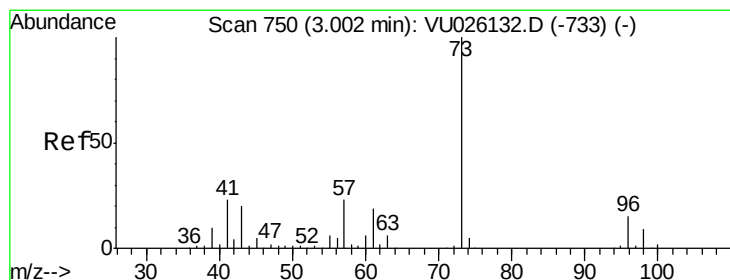
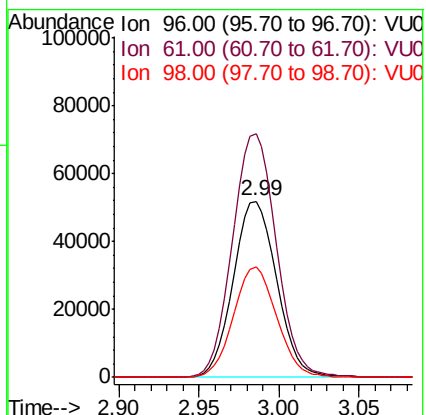
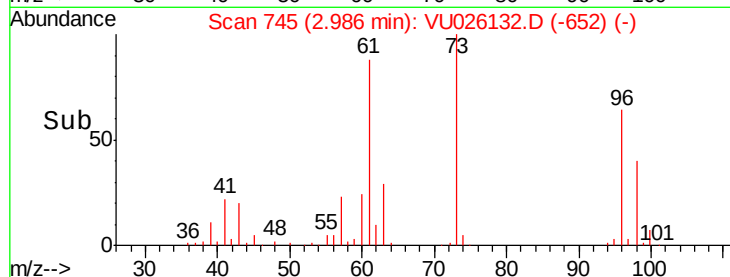
98 62.3 43.6 81.0



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: 50.310 ug/L

RT: 3.00 min Scan# 750

Delta R.T. 0.00 min

Lab File: VU026132.D

Acq: 15 Aug 2018 08:48

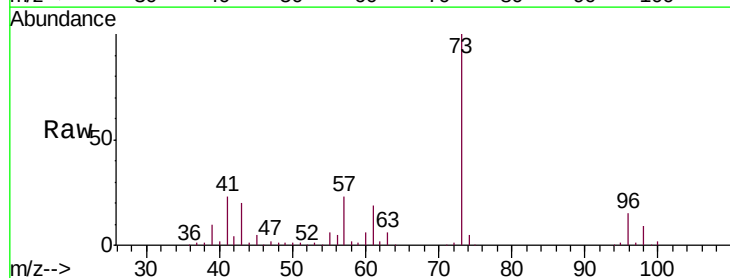
Tgt Ion: 73 Resp: 309019

Ion Ratio Lower Upper

73 100

43 20.3 16.2 24.4

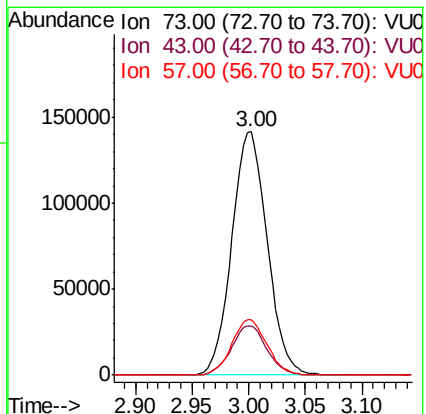
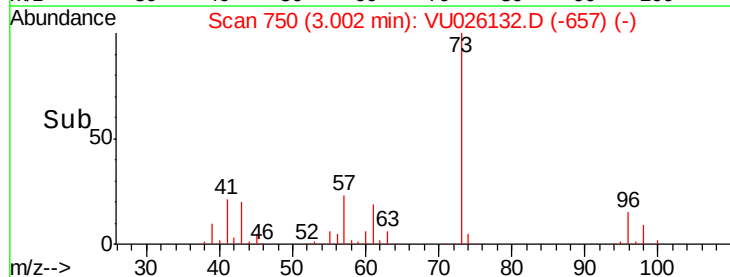
57 22.7 18.2 27.2

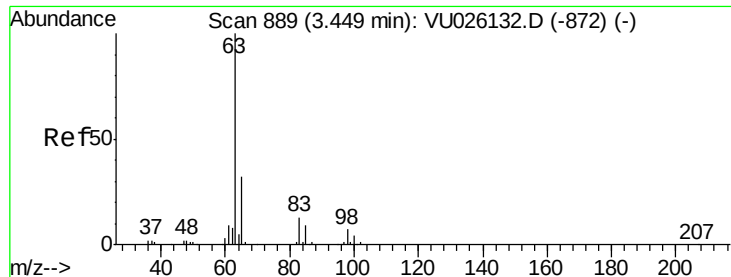


Abundance Ion 73.00 (72.70 to 73.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

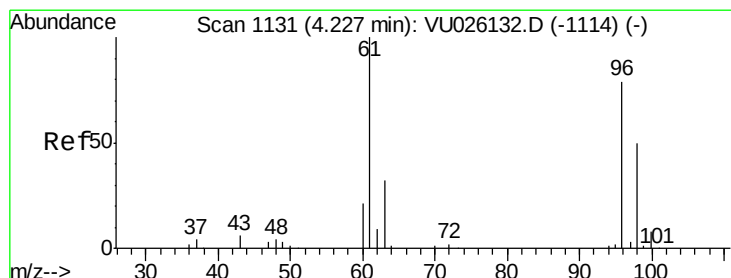
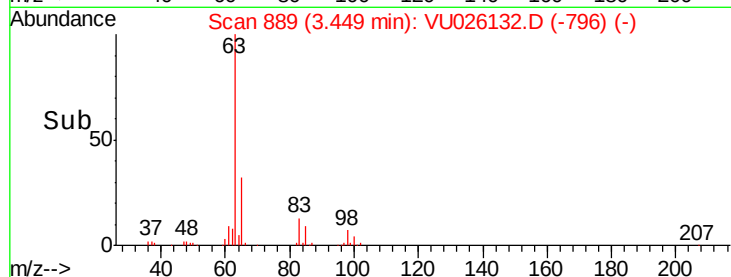
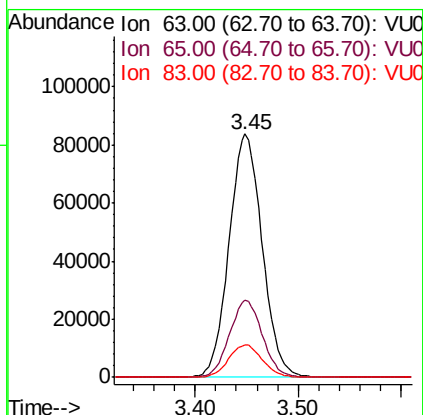
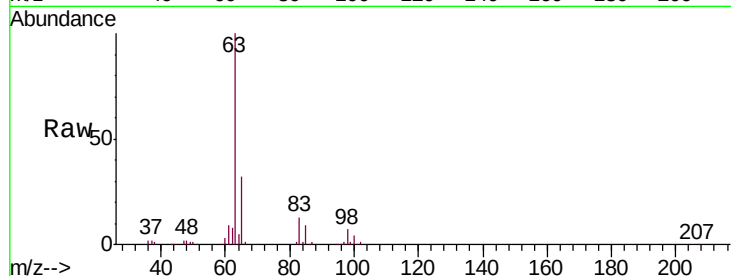




#19
 1,1-Dichloroethane
 Concen: 50.270 ug/L
 RT: 3.45 min Scan# 889
 Delta R.T. 0.00 min
 Lab File: VU026132.D
 Acq: 15 Aug 2018 08:48

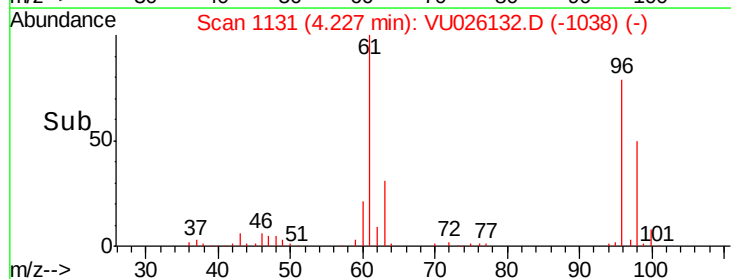
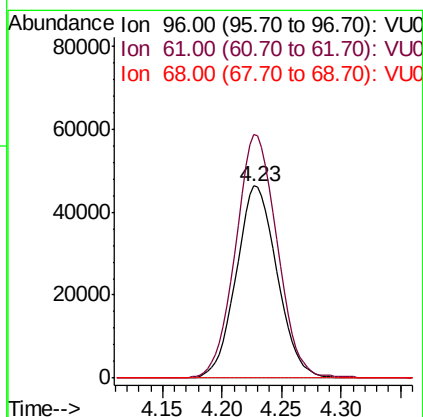
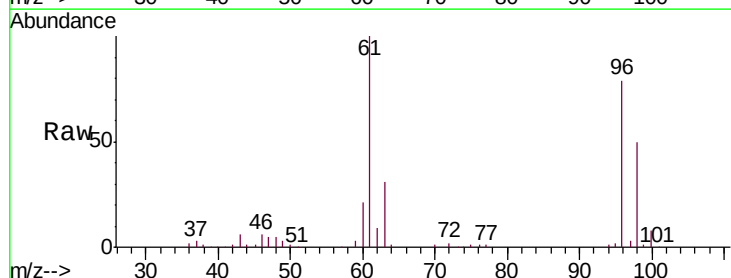
Instrument :
 MSVOA_U
 ClientSampled :
 VSTD05062

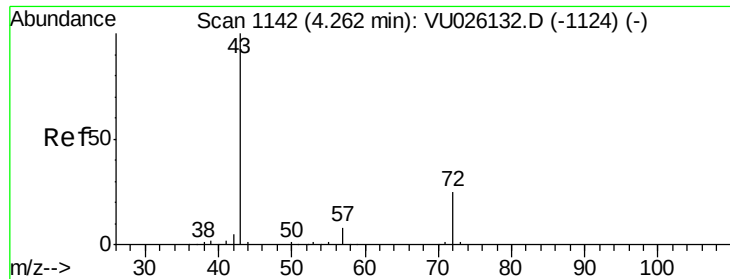
Tgt Ion: 63 Resp: 187272
 Ion Ratio Lower Upper
 63 100
 65 31.6 22.1 41.1
 83 13.4 9.4 17.4



#20
 cis-1,2-Dichloroethene
 Concen: 50.961 ug/L
 RT: 4.23 min Scan# 1131
 Delta R.T. 0.00 min
 Lab File: VU026132.D
 Acq: 15 Aug 2018 08:48

Tgt Ion: 96 Resp: 110563
 Ion Ratio Lower Upper
 96 100
 61 126.6 88.6 164.6
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 102.246 ug/L

RT: 4.26 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VU026132.D

Acq: 15 Aug 2018 08:48

Instrument :

MSVOA_U

ClientSampleId :

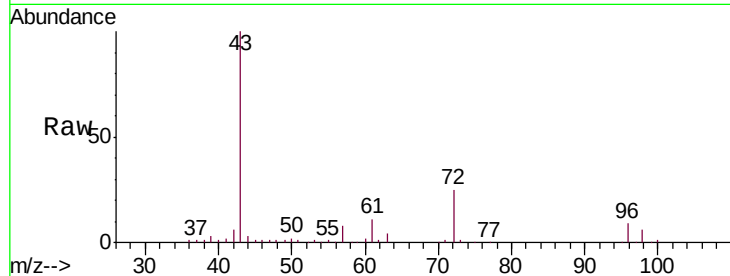
VSTD05062

Tgt Ion: 43 Resp: 162125

Ion Ratio Lower Upper

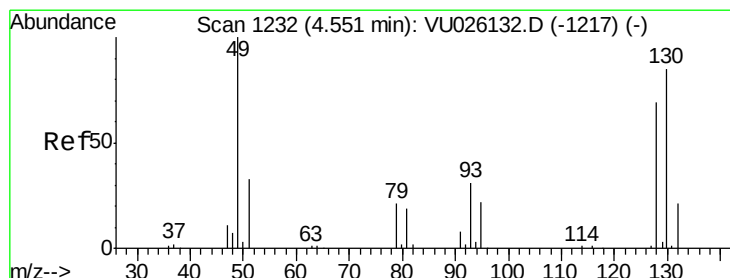
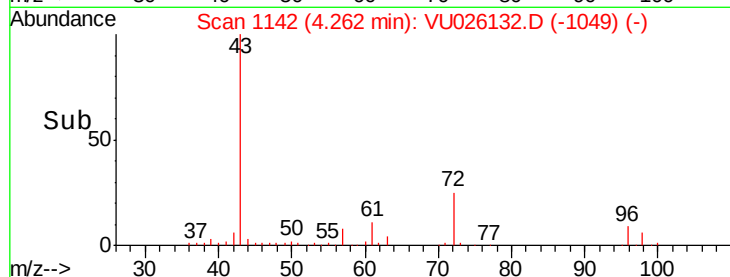
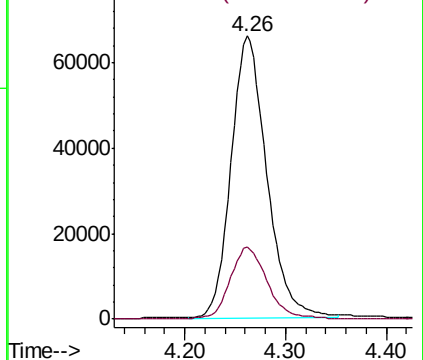
43 100

72 26.7 13.4 40.1



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0



#23

Bromochloromethane

Concen: 51.732 ug/L

RT: 4.55 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VU026132.D

Acq: 15 Aug 2018 08:48

Tgt Ion: 128 Resp: 60671

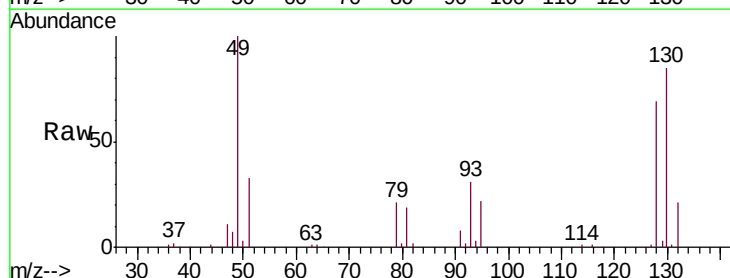
Ion Ratio Lower Upper

128 100

49 144.7 101.3 188.1

130 123.4 86.4 160.4

51 47.6 38.1 57.1

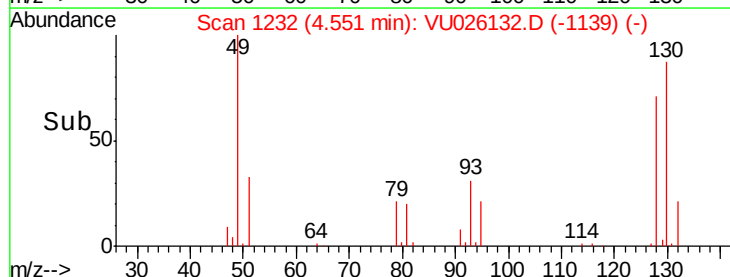
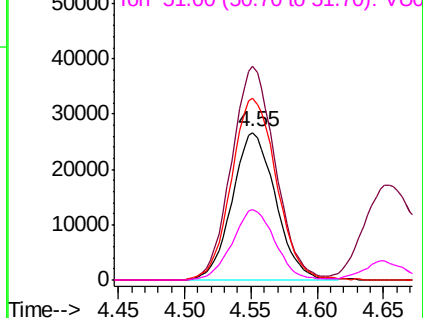


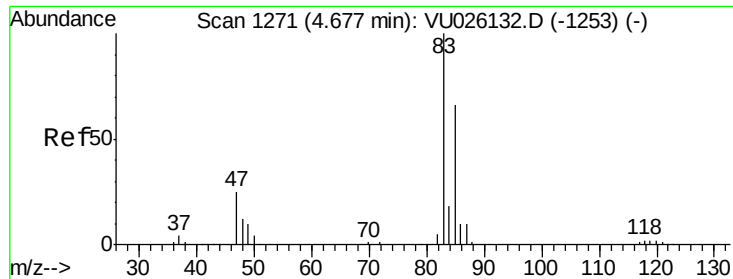
Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VU0

Ion 130.00 (129.70 to 130.70): V

Ion 51.00 (50.70 to 51.70): VU0

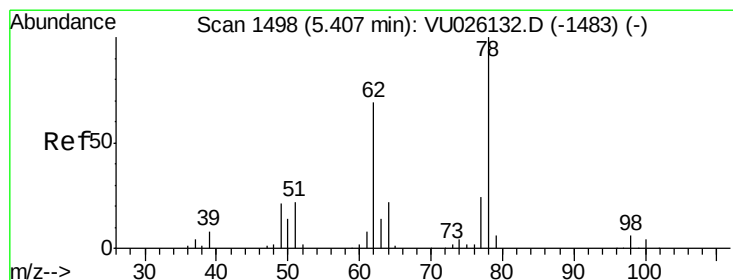
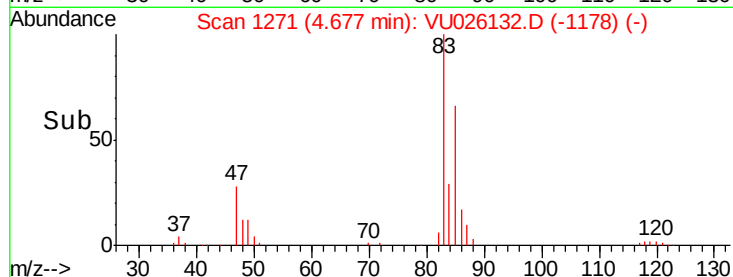
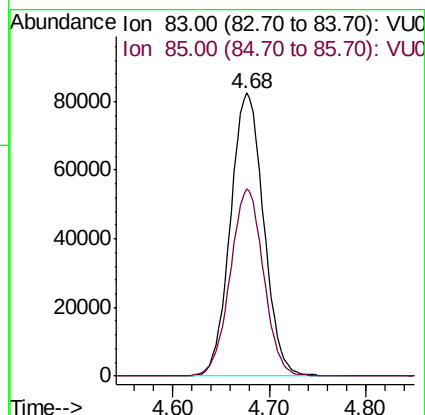
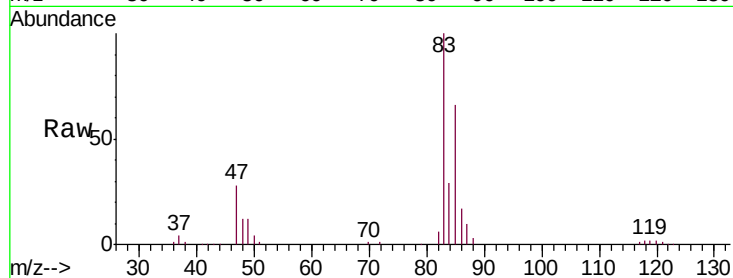




#25
Chloroform
Concen: 50.194 ug/L
RT: 4.68 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VU026132.D
Acq: 15 Aug 2018 08:48

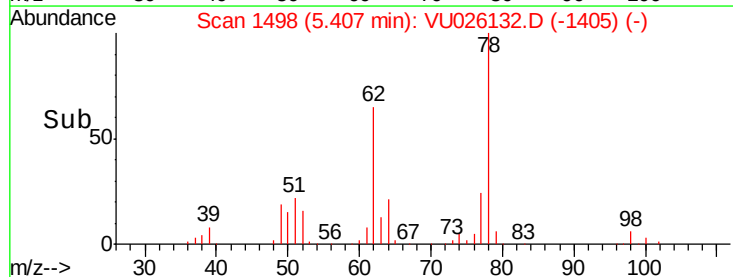
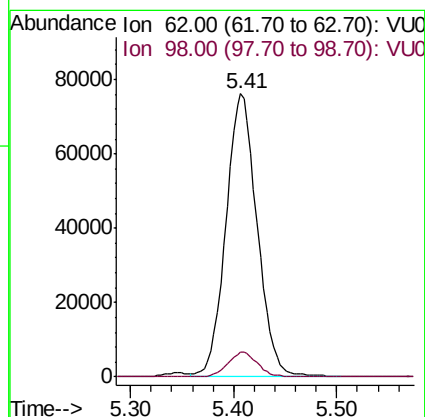
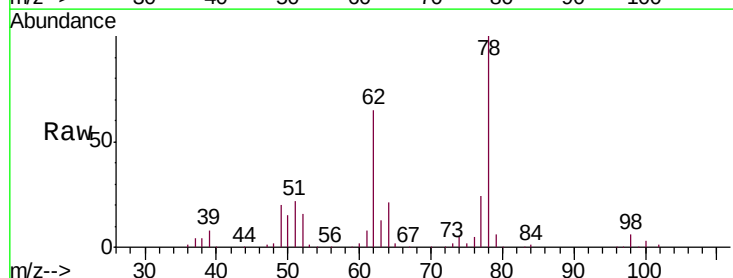
Instrument :
MSVOA_U
ClientSampleId :
VSTD05062

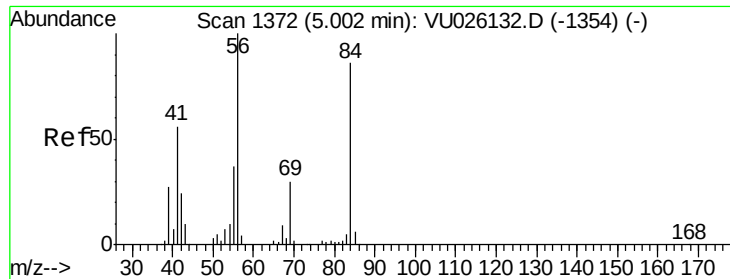
Tgt Ion: 83 Resp: 196305
Ion Ratio Lower Upper
83 100
85 66.2 46.3 86.1



#27
1,2-Dichloroethane
Concen: 50.860 ug/L
RT: 5.41 min Scan# 1498
Delta R.T. 0.00 min
Lab File: VU026132.D
Acq: 15 Aug 2018 08:48

Tgt Ion: 62 Resp: 160820
Ion Ratio Lower Upper
62 100
98 8.7 7.0 10.4

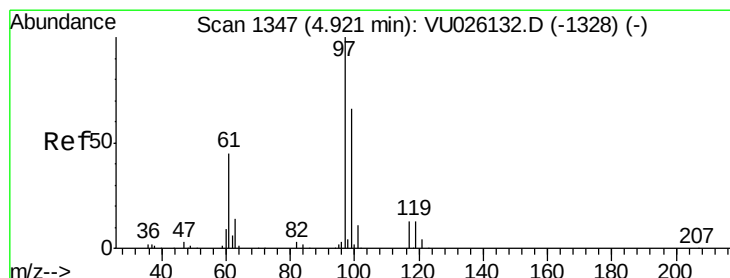
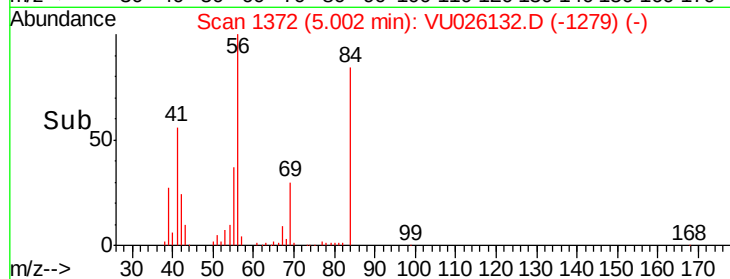
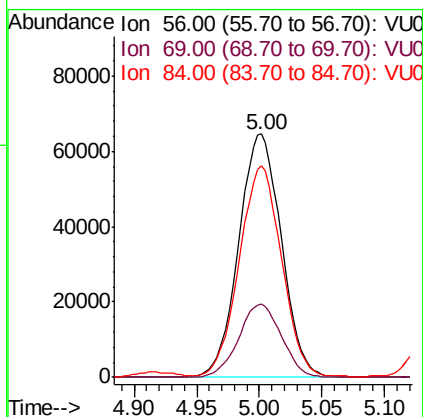
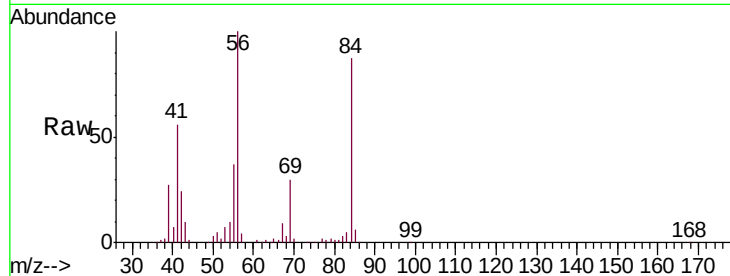




#29
Cyclohexane
Concen: 51.129 ug/L
RT: 5.00 min Scan# 1372
Delta R.T. 0.00 min
Lab File: VU026132.D
Acq: 15 Aug 2018 08:48

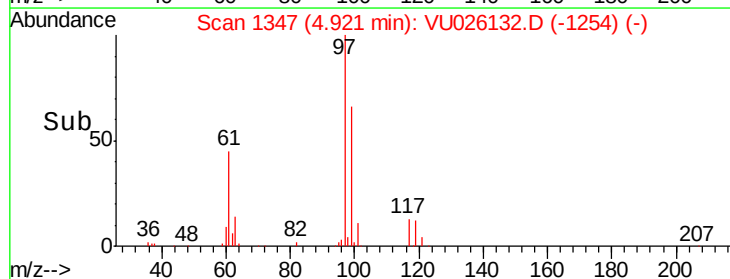
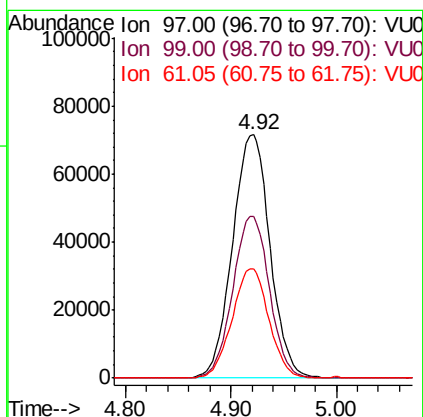
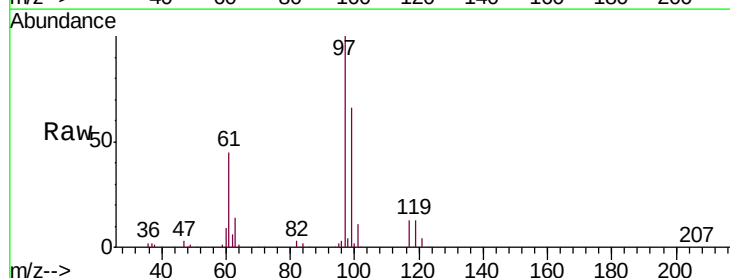
Instrument :
MSVOA_U
ClientSampleId :
VSTD05062

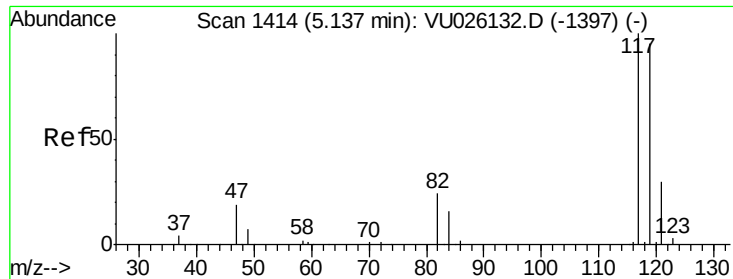
Tgt Ion: 56 Resp: 152818
Ion Ratio Lower Upper
56 100
69 30.1 24.1 36.1
84 85.7 68.6 102.8



#30
1,1,1-Trichloroethane
Concen: 49.381 ug/L
RT: 4.92 min Scan# 1347
Delta R.T. 0.00 min
Lab File: VU026132.D
Acq: 15 Aug 2018 08:48

Tgt Ion: 97 Resp: 176486
Ion Ratio Lower Upper
97 100
99 65.2 52.2 78.2
61 44.2 35.4 53.0

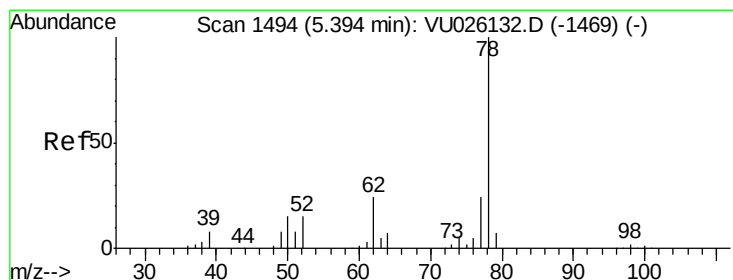
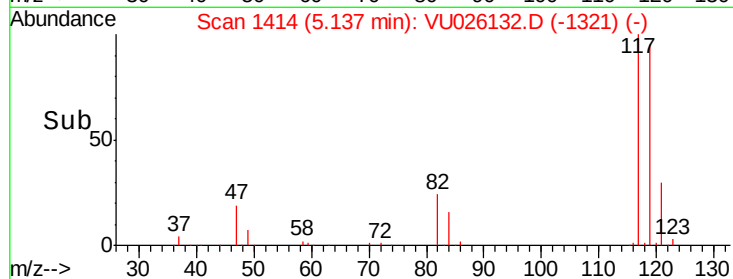
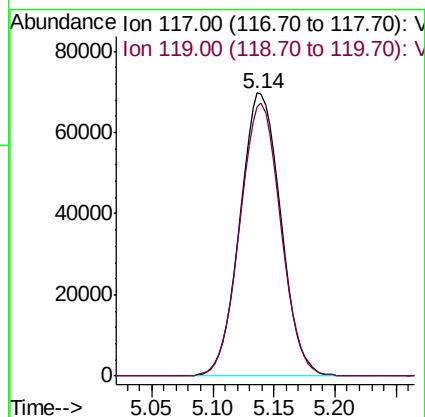
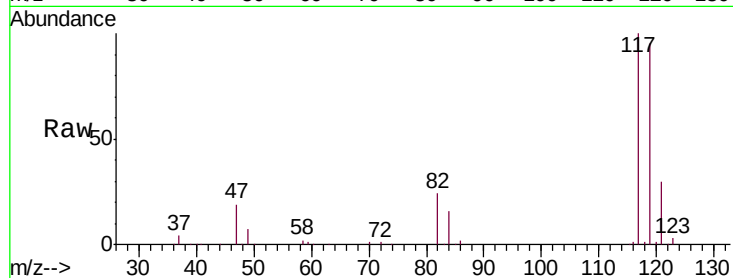




#31
Carbon tetrachloride
Concen: 49.792 ug/L
RT: 5.14 min Scan# 1414
Delta R.T. 0.00 min
Lab File: VU026132.D
Acq: 15 Aug 2018 08:48

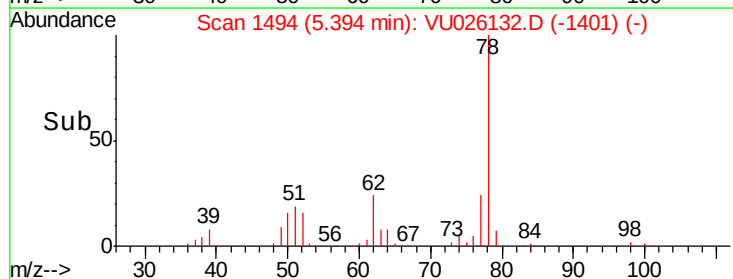
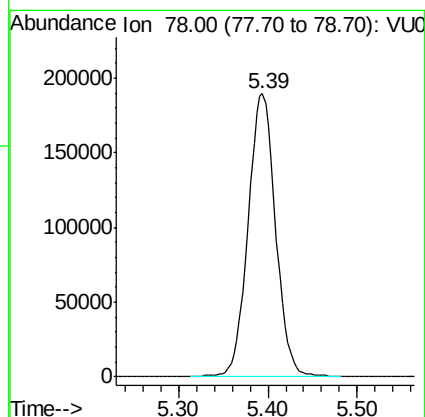
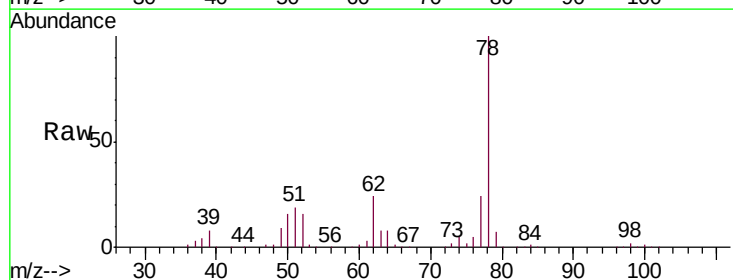
Instrument :
MSVOA_U
ClientSampleId :
VSTD05062

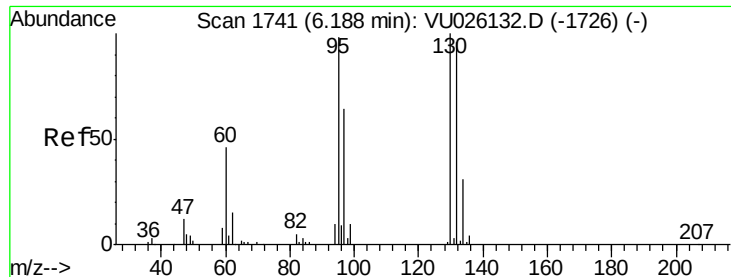
Tgt Ion:117 Resp: 161223
Ion Ratio Lower Upper
117 100
119 96.8 77.4 116.2



#33
Benzene
Concen: 50.376 ug/L
RT: 5.39 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VU026132.D
Acq: 15 Aug 2018 08:48

Tgt Ion: 78 Resp: 408025

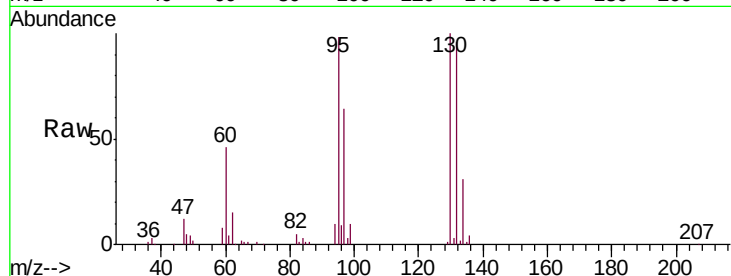




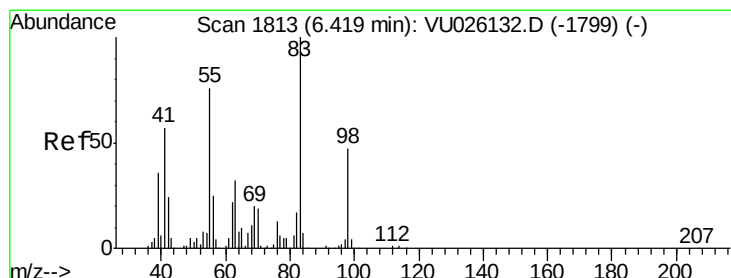
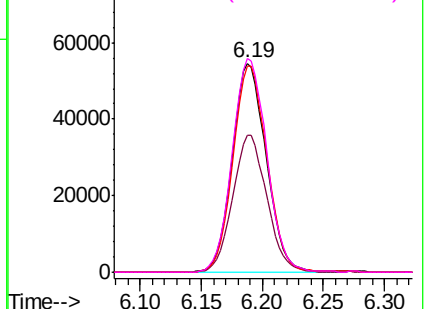
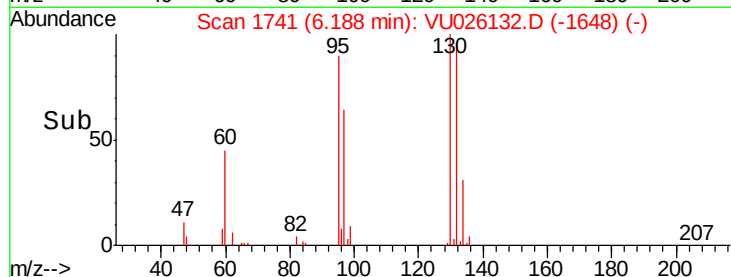
#34
 Trichloroethene
 Concen: 50.097 ug/L
 RT: 6.19 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VU026132.D
 Acq: 15 Aug 2018 08:48

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05062

Tgt Ion:	95	Resp:	105707
Ion	Ratio	Lower	Upper
95	100		
97	65.3	45.7	84.9
132	98.3	68.8	127.8
130	102.1	71.5	132.7

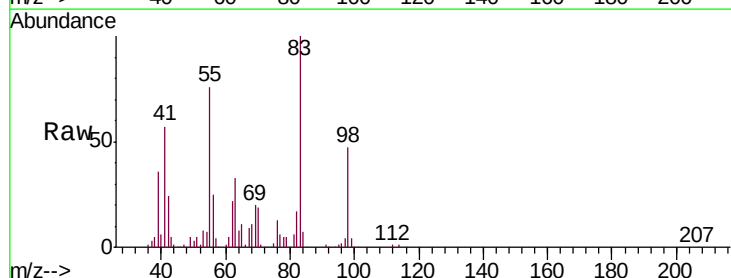


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

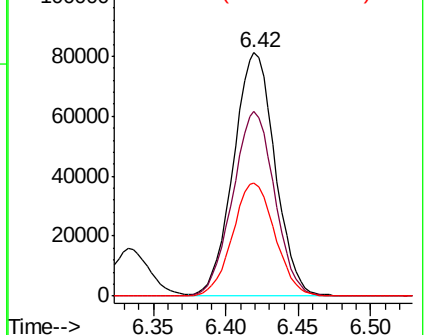
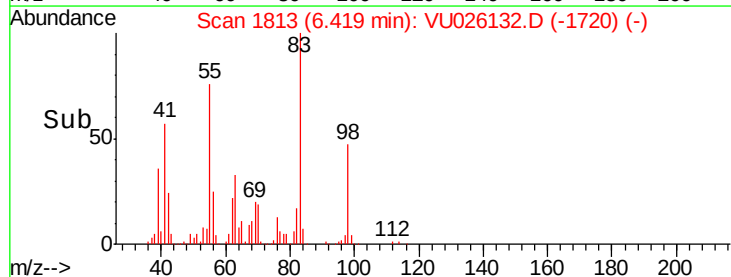


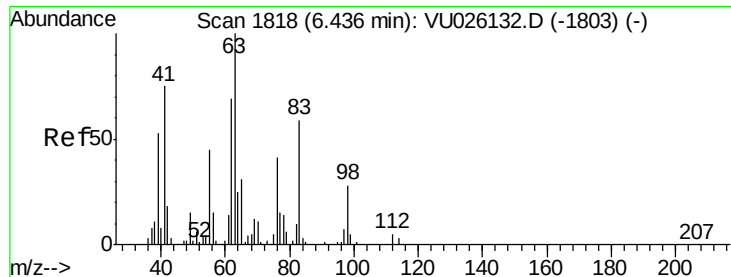
#35
 Methylcyclohexane
 Concen: 51.219 ug/L
 RT: 6.42 min Scan# 1813
 Delta R.T. 0.00 min
 Lab File: VU026132.D
 Acq: 15 Aug 2018 08:48

Tgt Ion:	83	Resp:	162234
Ion	Ratio	Lower	Upper
83	100		
55	76.3	61.0	91.6
98	47.0	37.6	56.4



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

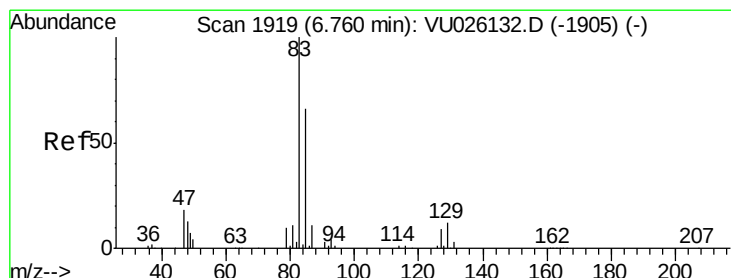
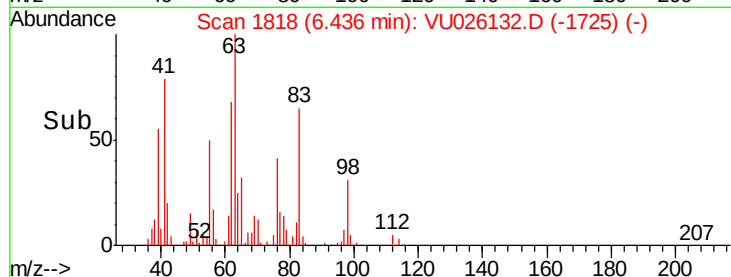
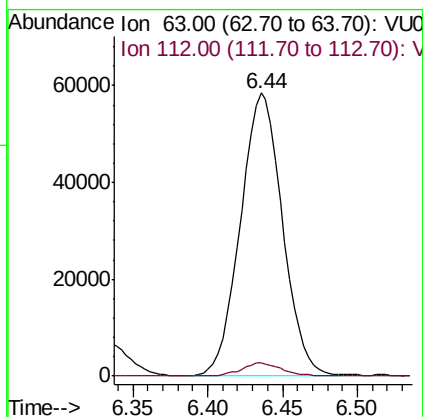
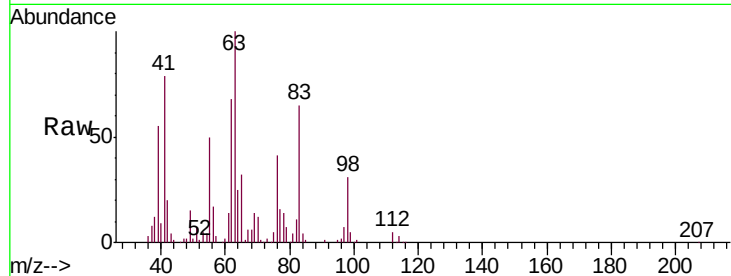




#37
 1,2-Dichloropropane
 Concen: 50.351 ug/L
 RT: 6.44 min Scan# 1818
 Delta R.T. 0.00 min
 Lab File: VU026132.D
 Acq: 15 Aug 2018 08:48

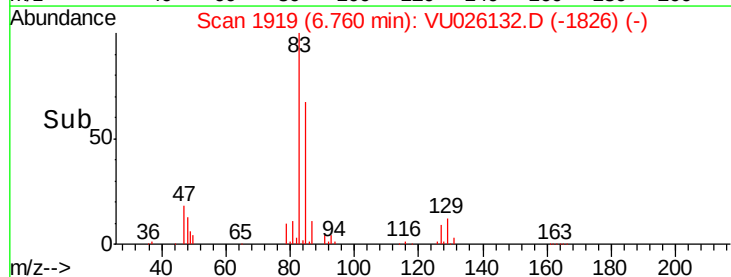
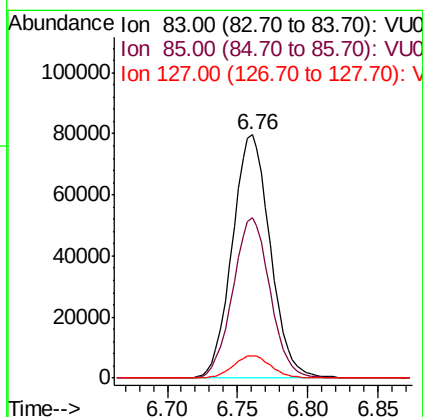
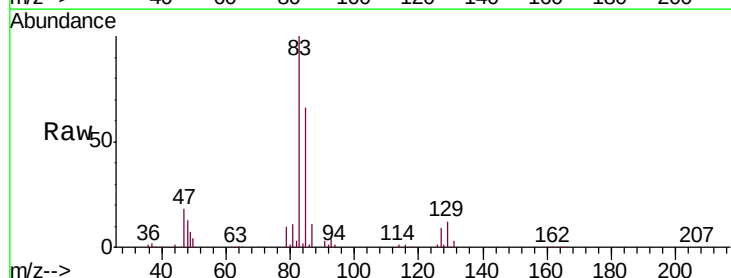
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05062

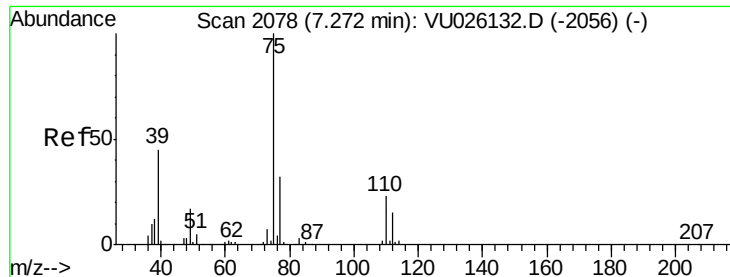
Tgt Ion: 63 Resp: 113898
 Ion Ratio Lower Upper
 63 100
 112 4.4 3.5 5.3



#38
 Bromodichloromethane
 Concen: 50.160 ug/L
 RT: 6.76 min Scan# 1919
 Delta R.T. 0.00 min
 Lab File: VU026132.D
 Acq: 15 Aug 2018 08:48

Tgt Ion: 83 Resp: 150232
 Ion Ratio Lower Upper
 83 100
 85 65.7 46.0 85.4
 127 9.4 7.5 11.3

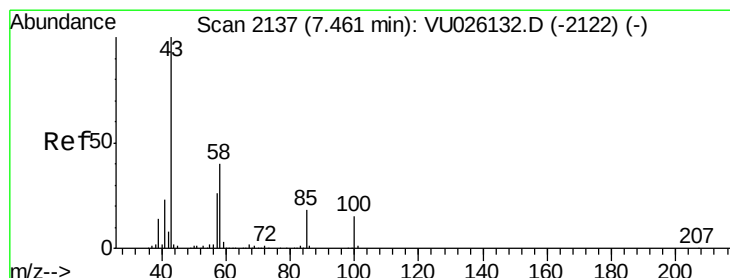
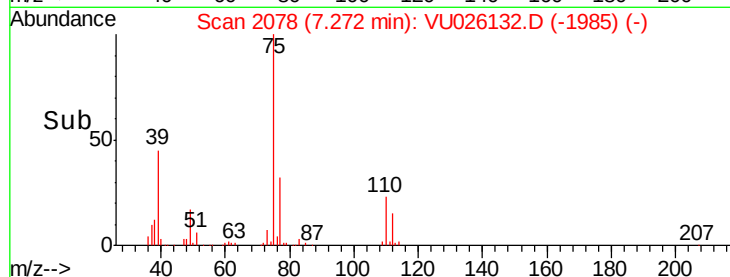
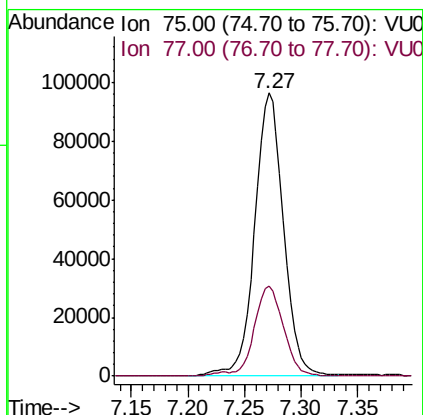
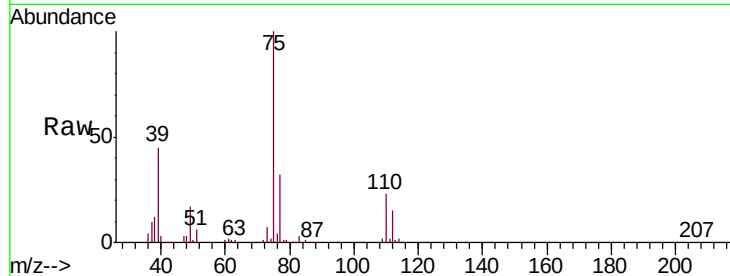




#39
 cis-1,3-Dichloropropene
 Concen: 50.910 ug/L
 RT: 7.27 min Scan# 2078
 Delta R.T. 0.00 min
 Lab File: VU026132.D
 Acq: 15 Aug 2018 08:48

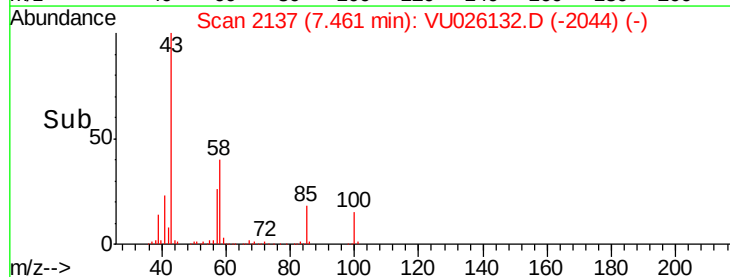
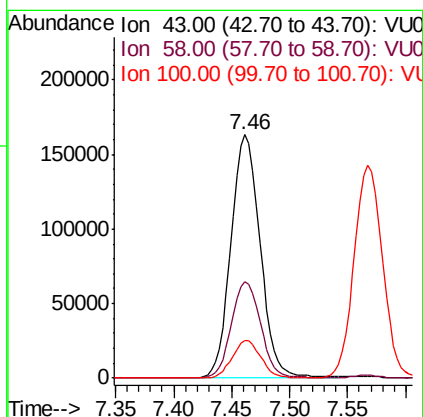
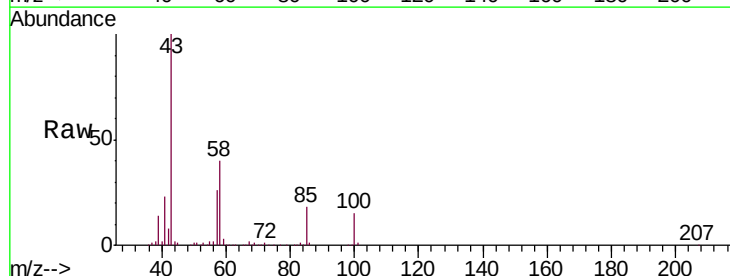
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05062

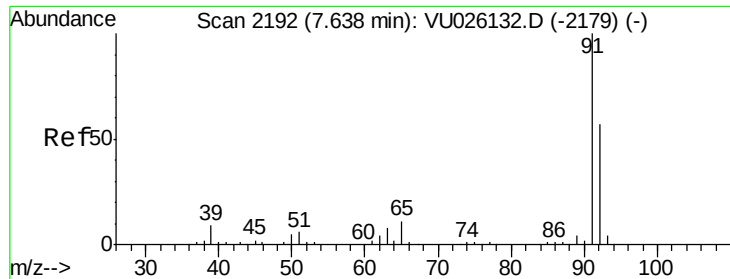
Tgt Ion: 75 Resp: 170955
 Ion Ratio Lower Upper
 75 100
 77 31.7 22.2 41.2



#40
 4-Methyl-2-pentanone
 Concen: 101.864 ug/L
 RT: 7.46 min Scan# 2137
 Delta R.T. 0.00 min
 Lab File: VU026132.D
 Acq: 15 Aug 2018 08:48

Tgt Ion: 43 Resp: 285842
 Ion Ratio Lower Upper
 43 100
 58 39.8 31.8 47.8
 100 15.2 12.2 18.2





#42

Toluene

Concen: 51.338 ug/L

RT: 7.64 min Scan# 2192

Delta R.T. 0.00 min

Lab File: VU026132.D

Acq: 15 Aug 2018 08:48

Instrument :

MSVOA_U

ClientSampleId :

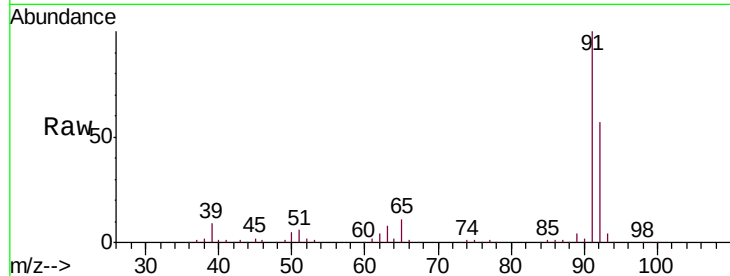
VSTD05062

Tgt Ion: 91 Resp: 441595

Ion Ratio Lower Upper

91 100

92 57.2 40.0 74.4



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 92.00 (91.70 to 92.70): VU0

7.64

250000

200000

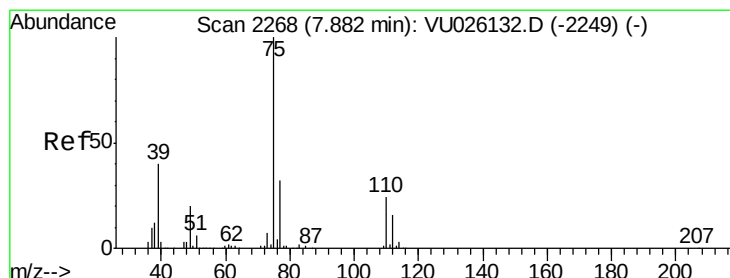
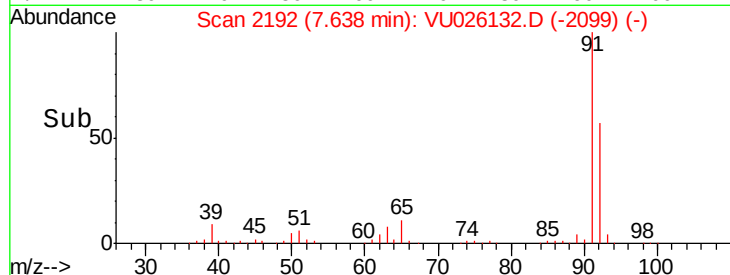
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 51.066 ug/L

RT: 7.88 min Scan# 2268

Delta R.T. 0.00 min

Lab File: VU026132.D

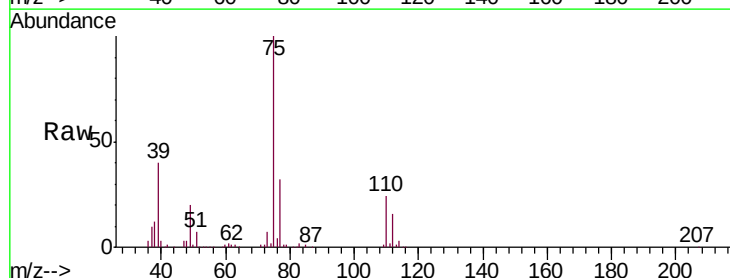
Acq: 15 Aug 2018 08:48

Tgt Ion: 75 Resp: 165228

Ion Ratio Lower Upper

75 100

77 31.5 22.0 41.0



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

7.88

100000

80000

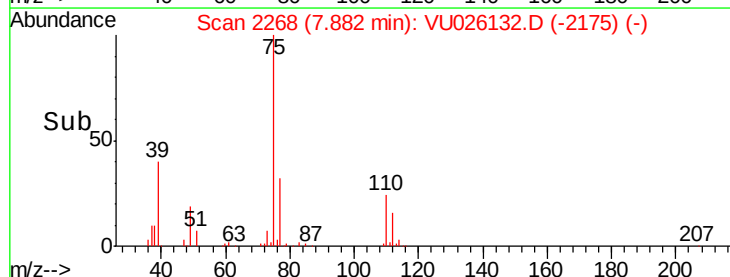
60000

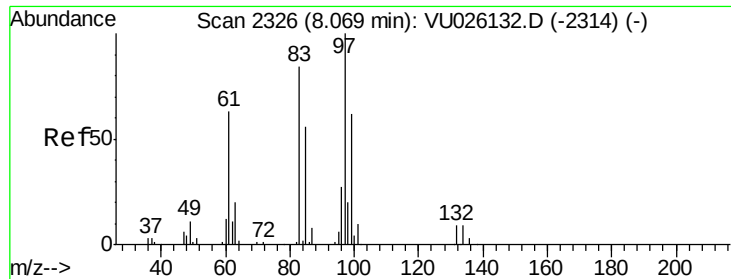
40000

20000

0

Time-->

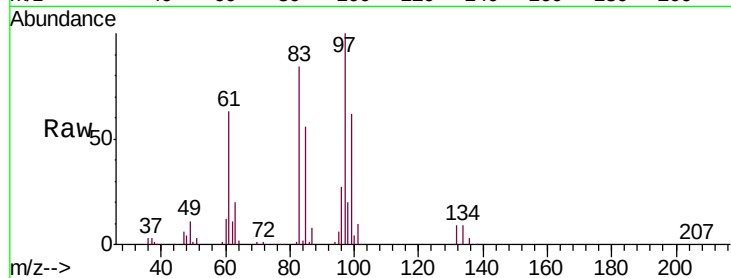




#45
 1,1,2-Trichloroethane
 Concen: 50.600 ug/L
 RT: 8.07 min Scan# 2326
 Delta R.T. 0.00 min
 Lab File: VU026132.D
 Acq: 15 Aug 2018 08:48

Instrument :
 MSVOA_U
 ClientSampleID :
 VSTD05062

Tgt Ion:	97	Resp:	108526
Ion	Ratio	Lower	Upper
97	100		
99	61.9	43.3	80.5
83	83.5	58.4	108.6
85	55.7	39.0	72.4



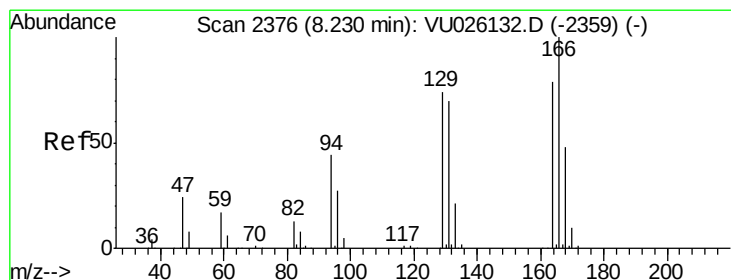
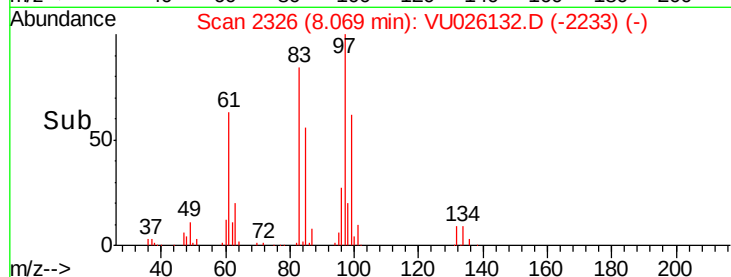
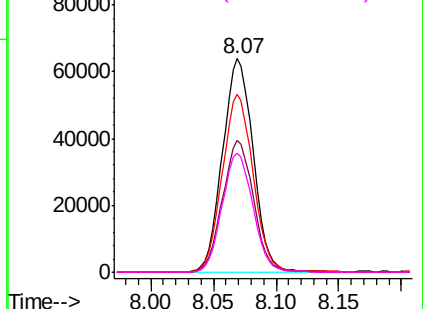
Abundance

Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

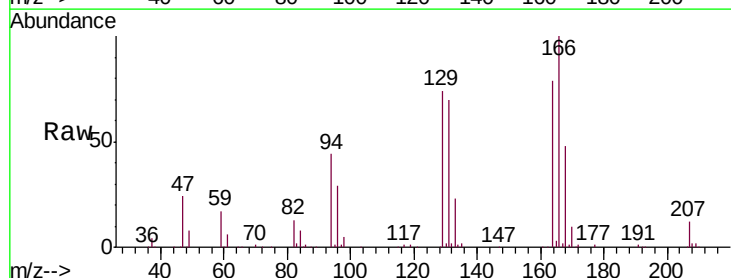
Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#46
 Tetrachloroethene
 Concen: 49.587 ug/L
 RT: 8.23 min Scan# 2376
 Delta R.T. 0.00 min
 Lab File: VU026132.D
 Acq: 15 Aug 2018 08:48

Tgt Ion:	164	Resp:	90236
Ion	Ratio	Lower	Upper
164	100		
129	93.8	65.7	121.9
131	88.6	62.0	115.2
166	127.0	88.9	165.1



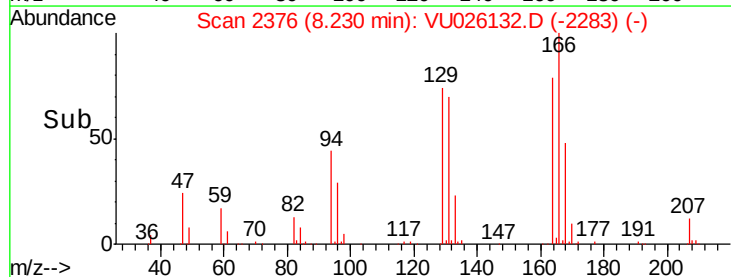
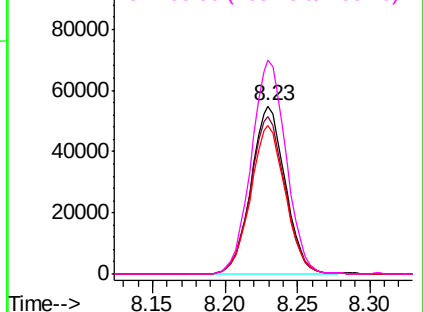
Abundance

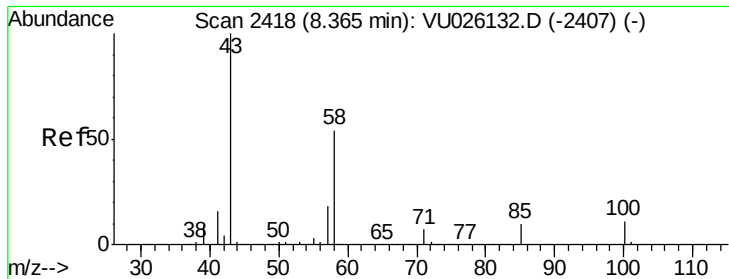
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

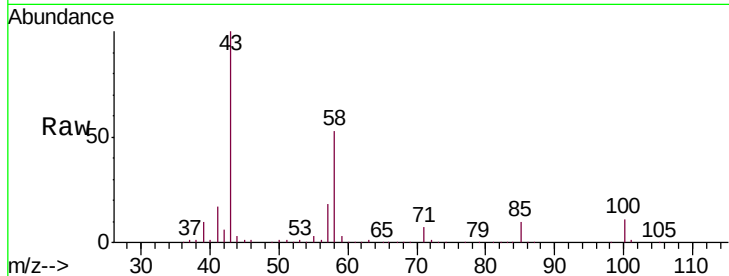




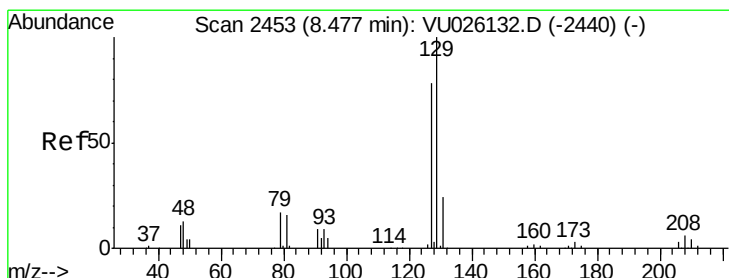
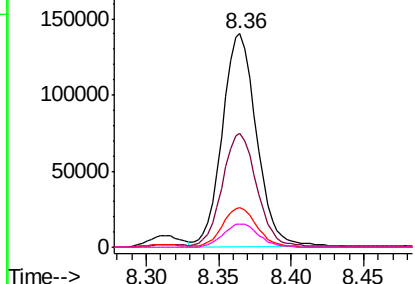
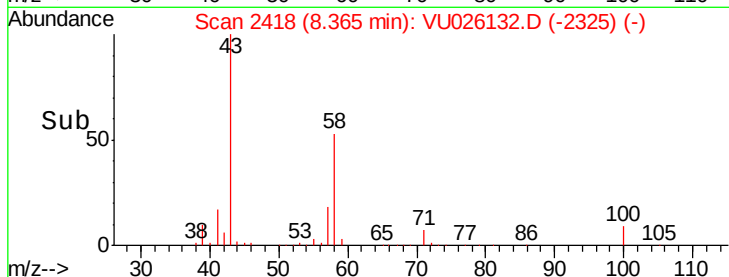
#48
2-Hexanone
Concen: 104.061 ug/L
RT: 8.36 min Scan# 2418
Delta R.T. 0.00 min
Lab File: VU026132.D
Acq: 15 Aug 2018 08:48

Instrument :
MSVOA_U
ClientSampleId :
VSTD05062

Tgt Ion: 43 Resp: 228793
Ion Ratio Lower Upper
43 100
58 53.6 42.9 64.3
57 18.9 15.1 22.7
100 11.5 9.2 13.8

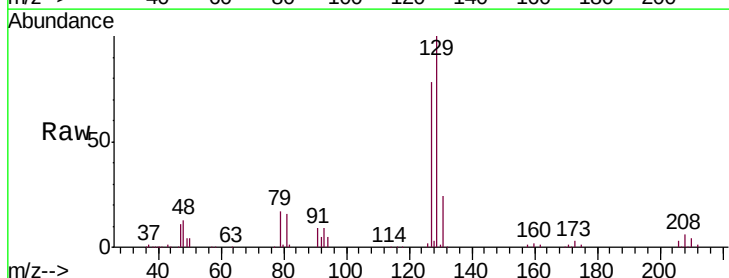


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

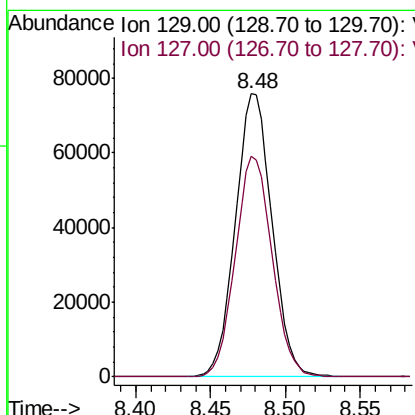
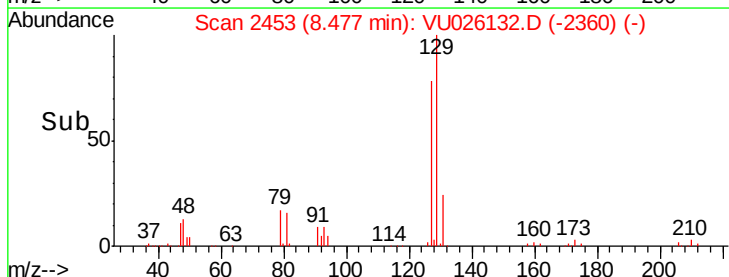


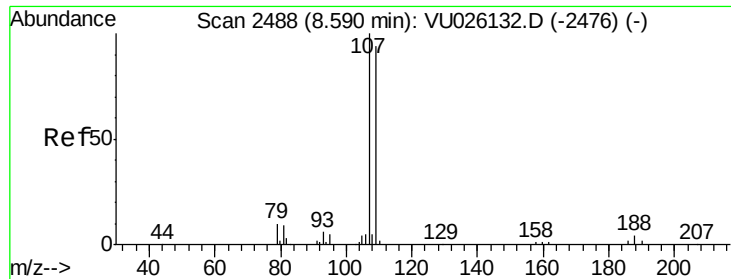
#49
Dibromochloromethane
Concen: 50.076 ug/L
RT: 8.48 min Scan# 2453
Delta R.T. 0.00 min
Lab File: VU026132.D
Acq: 15 Aug 2018 08:48

Tgt Ion: 129 Resp: 129353
Ion Ratio Lower Upper
129 100
127 78.0 54.6 101.4



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V

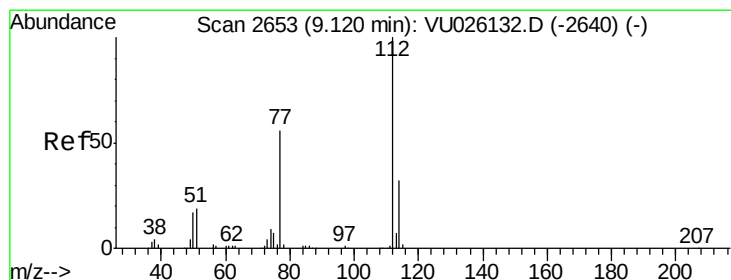
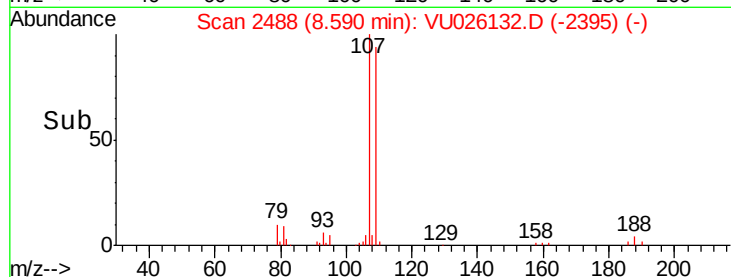
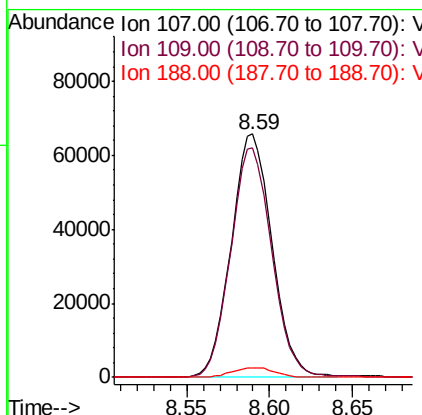
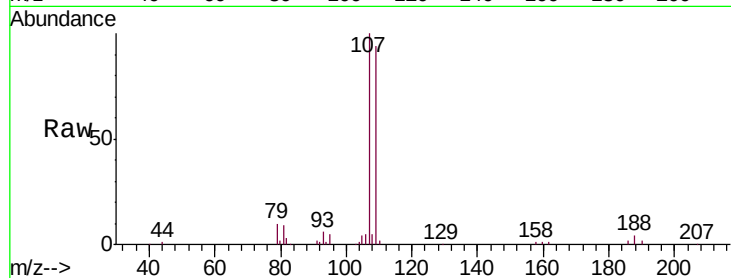




#50
 1,2-Dibromoethane
 Concen: 50.648 ug/L
 RT: 8.59 min Scan# 2488
 Delta R.T. 0.00 min
 Lab File: VU026132.D
 Acq: 15 Aug 2018 08:48

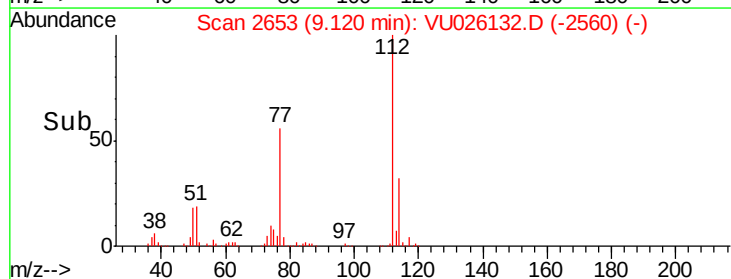
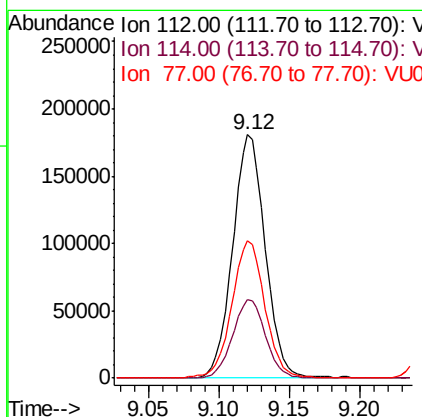
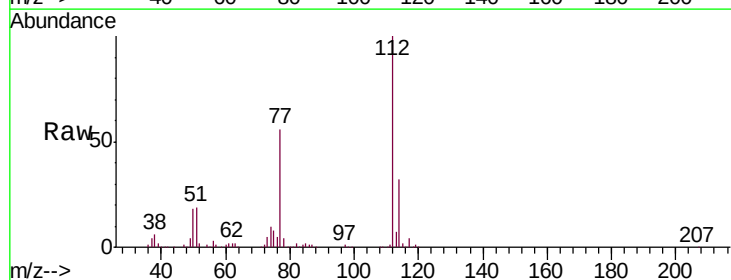
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05062

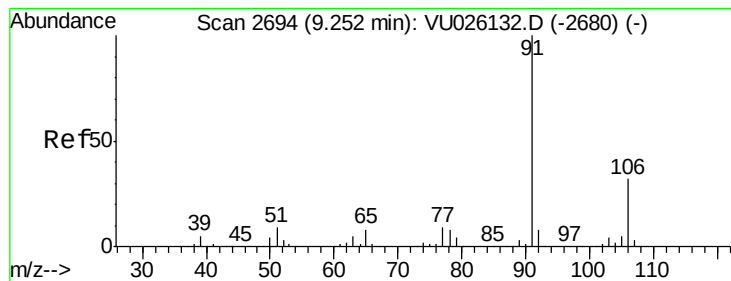
Tgt Ion	Ratio	Lower	Upper
107	100		
109	94.4	66.1	122.7
188	4.0	3.2	4.8



#51
 Chlorobenzene
 Concen: 49.773 ug/L
 RT: 9.12 min Scan# 2653
 Delta R.T. 0.00 min
 Lab File: VU026132.D
 Acq: 15 Aug 2018 08:48

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.2	22.5	41.9
77	56.2	45.0	67.4





#52

Ethylbenzene

Concen: 51.518 ug/L

RT: 9.25 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VU026132.D

Acq: 15 Aug 2018 08:48

Instrument :

MSVOA_U

ClientSampleId :

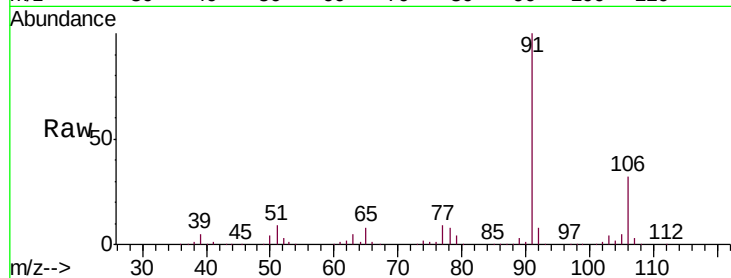
VSTD05062

Tgt Ion: 91 Resp: 482725

Ion Ratio Lower Upper

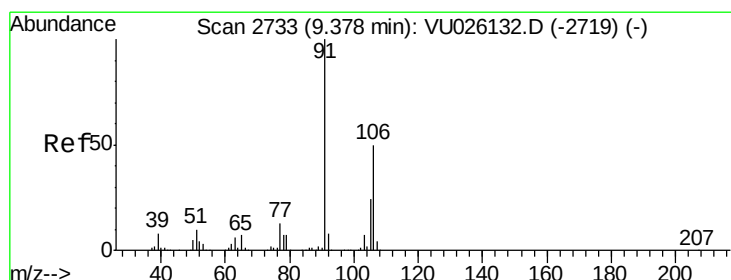
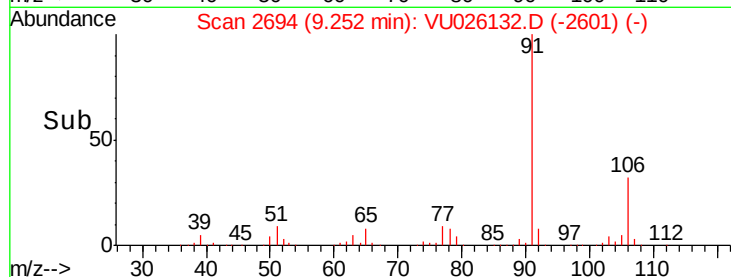
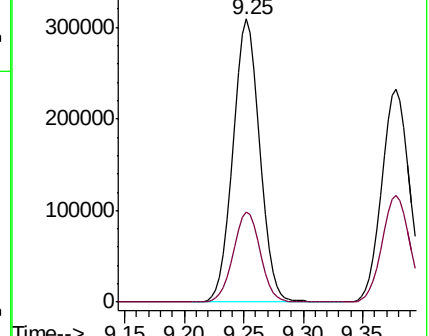
91 100

106 31.9 22.3 41.5



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 106.00 (105.70 to 106.70): V



#53

m,p-Xylene

Concen: 52.402 ug/L

RT: 9.38 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU026132.D

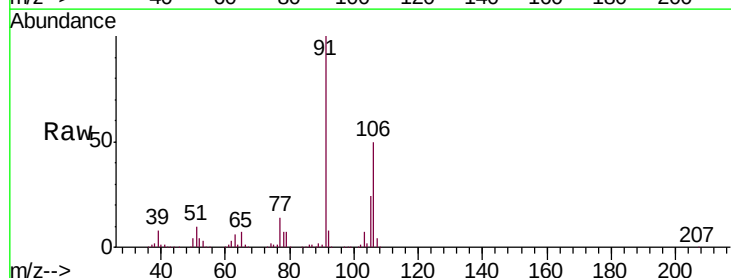
Acq: 15 Aug 2018 08:48

Tgt Ion: 106 Resp: 189215

Ion Ratio Lower Upper

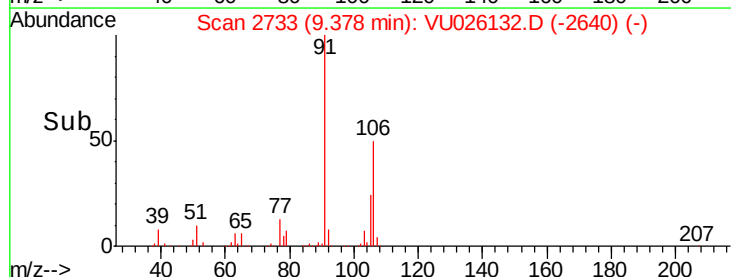
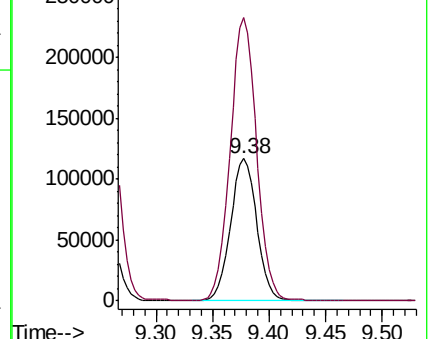
106 100

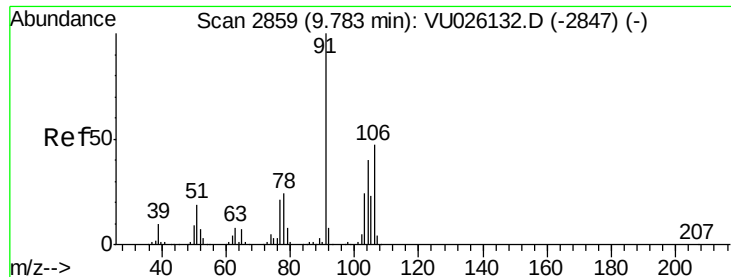
91 198.8 139.2 258.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0





#54

o-xylene

Concen: 51.722 ug/L

RT: 9.78 min Scan# 2859

Delta R.T. 0.00 min

Lab File: VU026132.D

Acq: 15 Aug 2018 08:48

Instrument :

MSVOA_U

ClientSampleId :

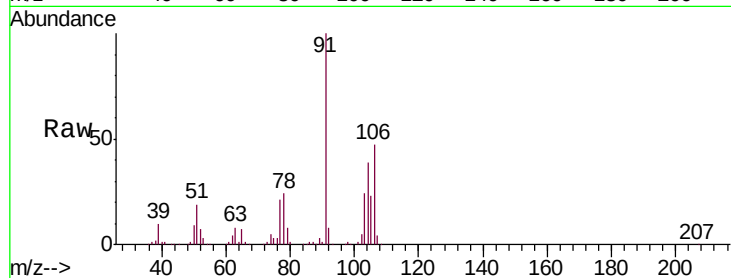
VSTD05062

Tgt Ion:106 Resp: 186359

Ion Ratio Lower Upper

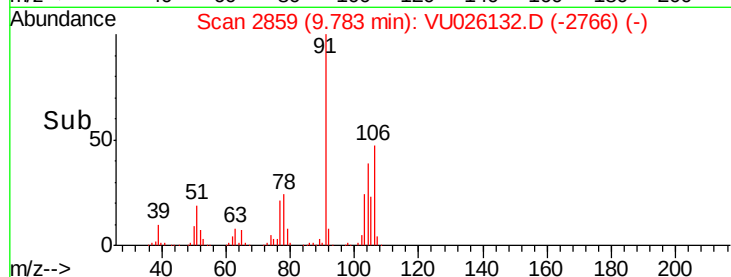
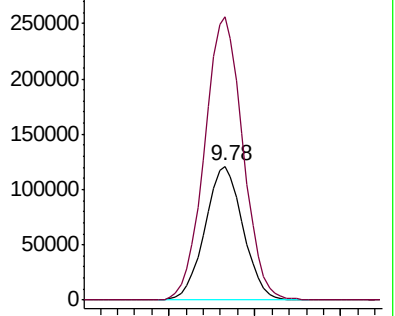
106 100

91 211.4 148.0 274.8

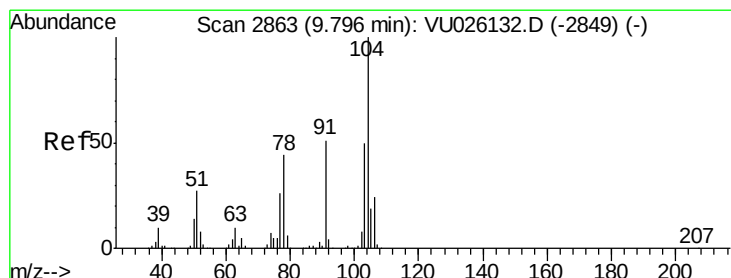


Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



Time-->



#55

Styrene

Concen: 53.195 ug/L

RT: 9.80 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VU026132.D

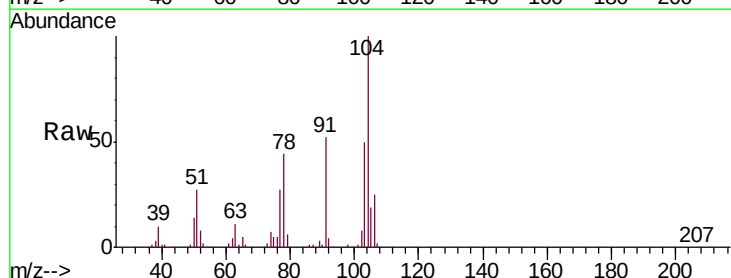
Acq: 15 Aug 2018 08:48

Tgt Ion:104 Resp: 319125

Ion Ratio Lower Upper

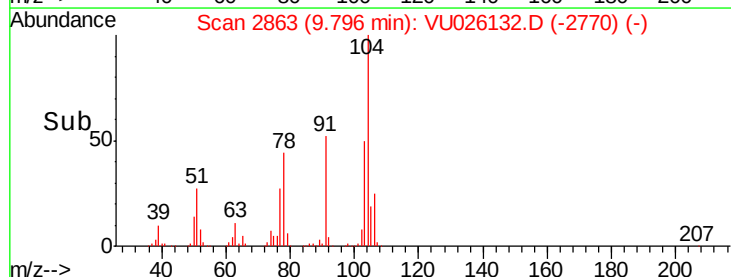
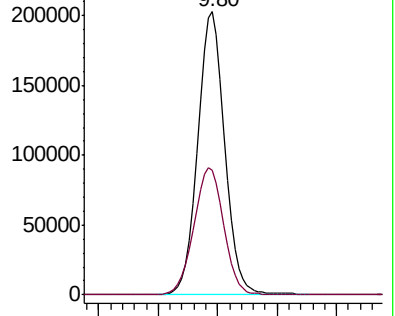
104 100

78 44.2 30.9 57.5

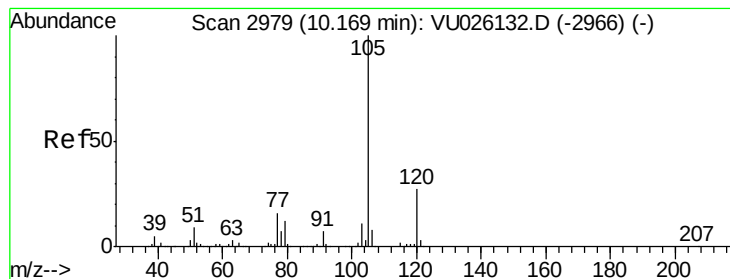


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0



Time-->



#56

Isopropylbenzene

Concen: 52.136 ug/L

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU026132.D

Acq: 15 Aug 2018 08:48

Instrument :

MSVOA_U

ClientSampleId :

VSTD05062

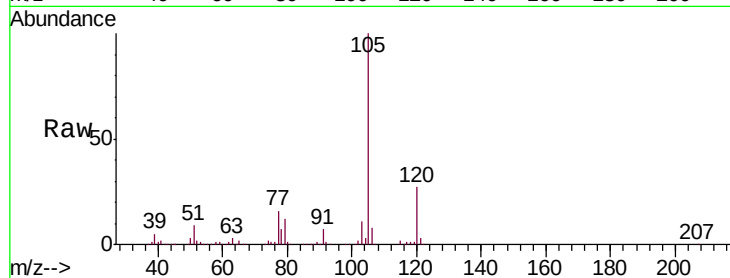
Tgt Ion: 105 Resp: 482283

Ion Ratio Lower Upper

105 100

120 26.9 21.5 32.3

77 15.4 12.3 18.5

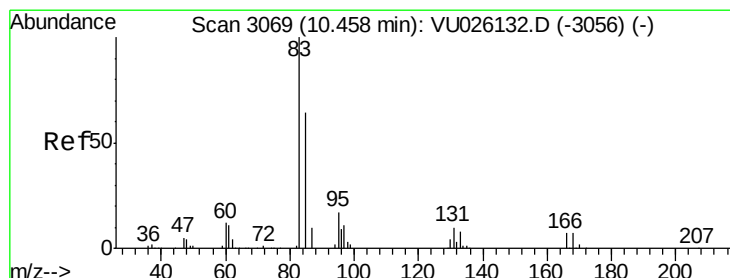
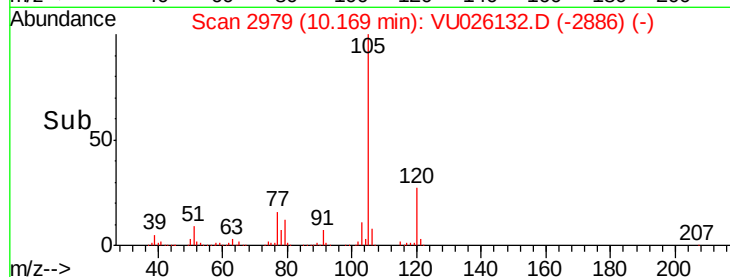
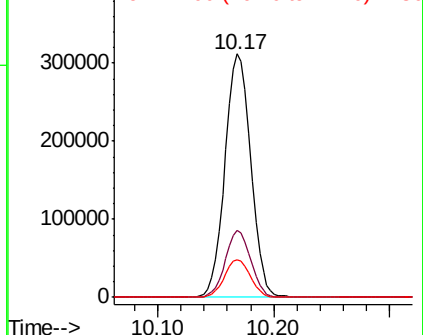


Abundance

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: 49.853 ug/L

RT: 10.46 min Scan# 3069

Delta R.T. 0.00 min

Lab File: VU026132.D

Acq: 15 Aug 2018 08:48

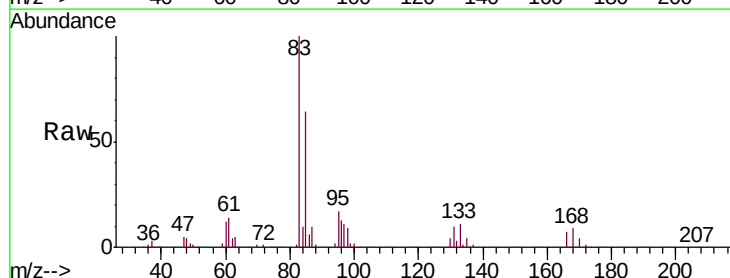
Tgt Ion: 83 Resp: 178561

Ion Ratio Lower Upper

83 100

85 64.3 45.0 83.6

131 10.5 8.4 12.6

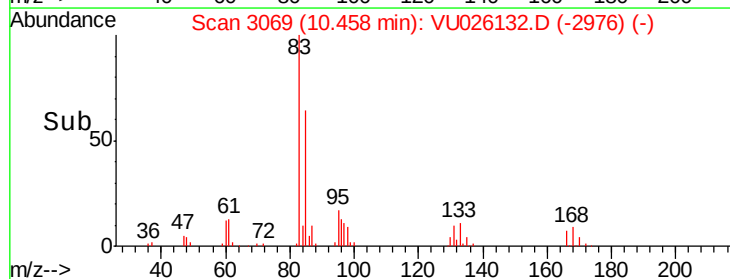
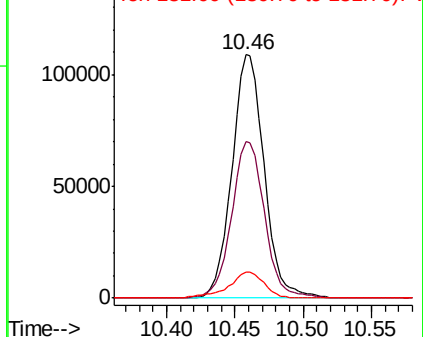


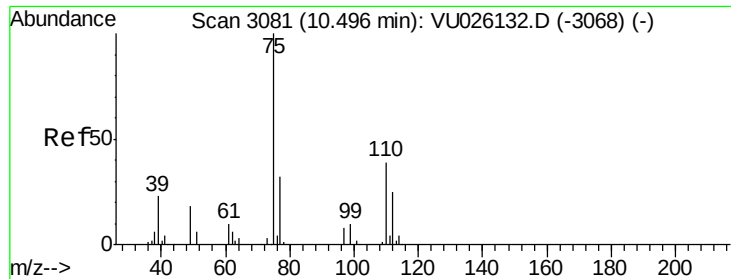
Abundance

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: 50.184 ug/L

RT: 10.50 min Scan# 3081

Delta R.T. 0.00 min

Lab File: VU026132.D

Acq: 15 Aug 2018 08:48

Instrument :

MSVOA_U

ClientSampleId :

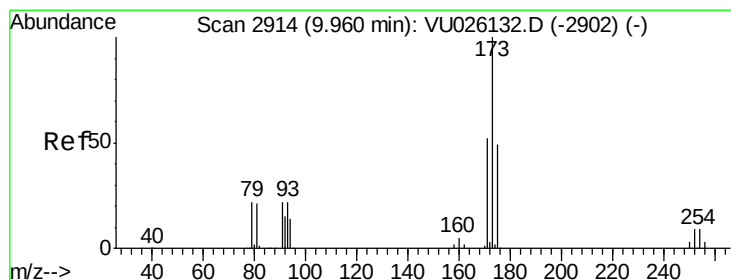
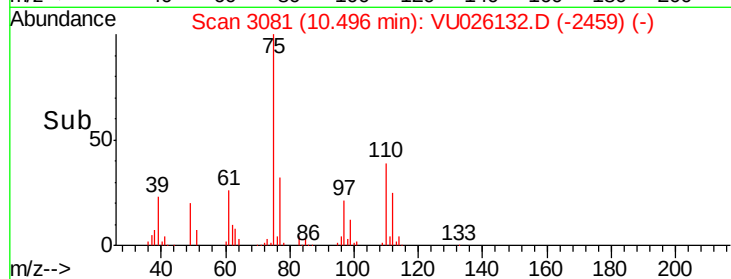
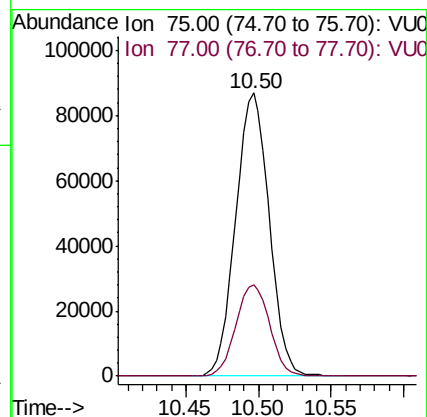
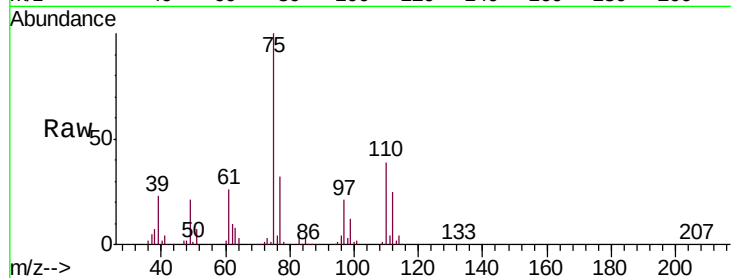
VSTD05062

Tgt Ion: 75 Resp: 139846

Ion Ratio Lower Upper

75 100

77 32.6 26.1 39.1



#61

Bromoform

Concen: 49.216 ug/L

RT: 9.96 min Scan# 2914

Delta R.T. 0.00 min

Lab File: VU026132.D

Acq: 15 Aug 2018 08:48

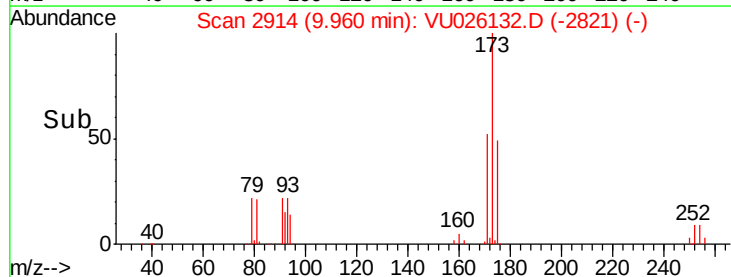
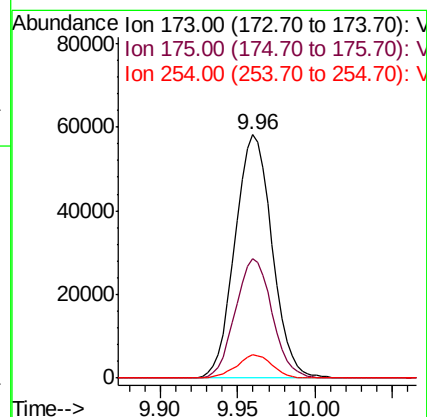
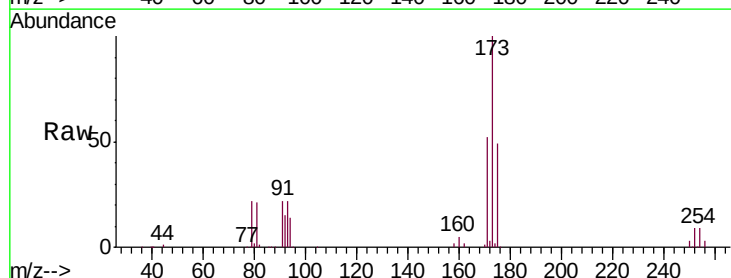
Tgt Ion: 173 Resp: 97179

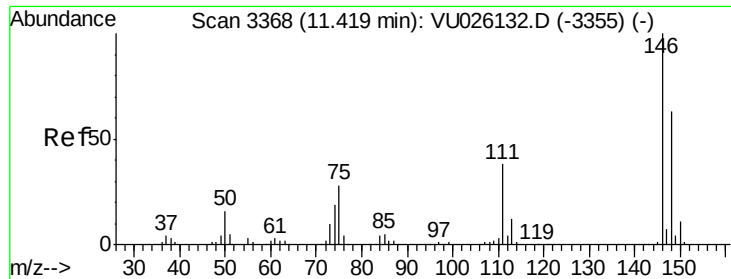
Ion Ratio Lower Upper

173 100

175 48.5 38.8 58.2

254 9.1 7.3 10.9

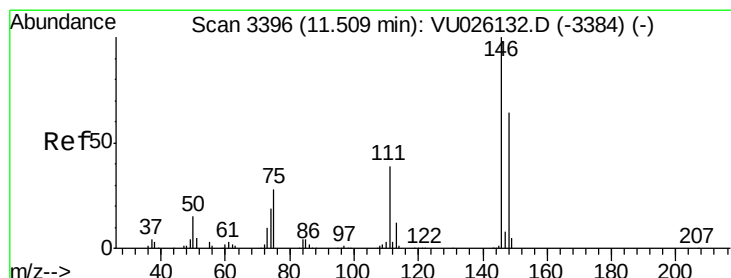
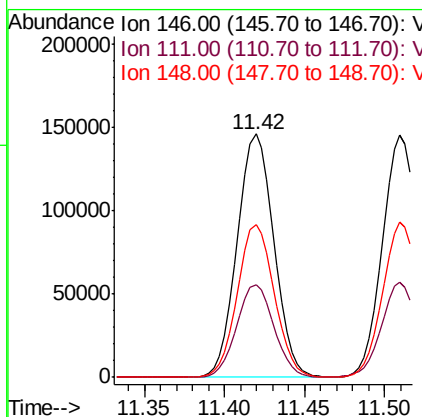
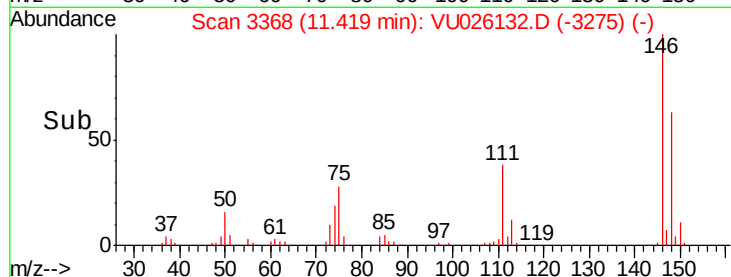
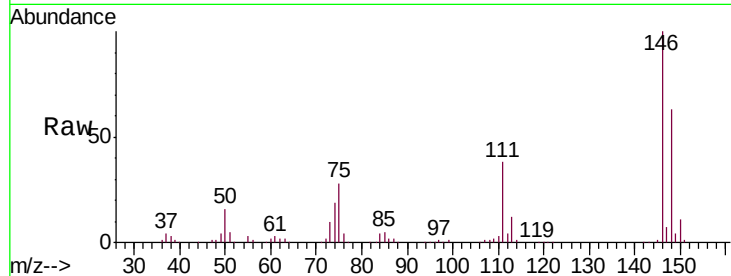




#62
 1,3-Dichlorobenzene
 Concen: 50.578 ug/L
 RT: 11.42 min Scan# 3368
 Delta R.T. 0.00 min
 Lab File: VU026132.D
 Acq: 15 Aug 2018 08:48

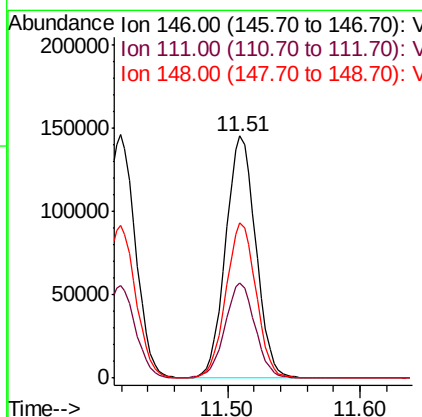
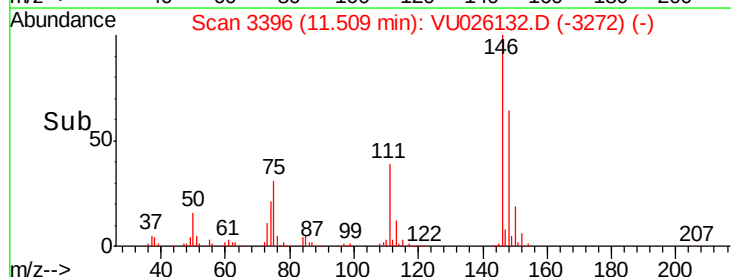
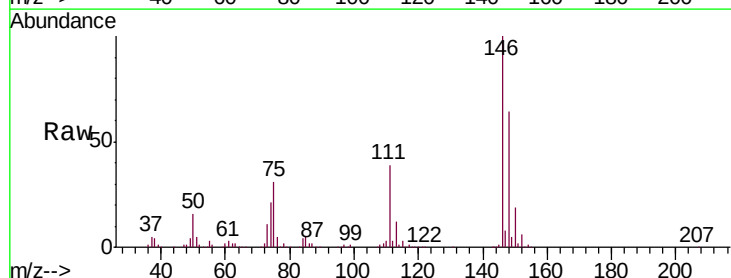
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05062

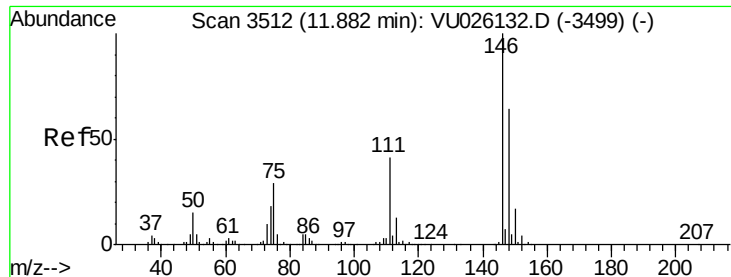
Tgt Ion:146 Resp: 228902
 Ion Ratio Lower Upper
 146 100
 111 38.2 26.7 49.7
 148 63.0 44.1 81.9



#63
 1,4-Dichlorobenzene
 Concen: 49.333 ug/L
 RT: 11.51 min Scan# 3396
 Delta R.T. 0.00 min
 Lab File: VU026132.D
 Acq: 15 Aug 2018 08:48

Tgt Ion:146 Resp: 230253
 Ion Ratio Lower Upper
 146 100
 111 39.3 27.5 51.1
 148 64.0 44.8 83.2





#65

1,2-Dichlorobenzene

Concen: 50.399 ug/L

RT: 11.88 min Scan# 3512

Delta R.T. 0.00 min

Lab File: VU026132.D

Acq: 15 Aug 2018 08:48

Instrument :

MSVOA_U

ClientSampleId :

VSTD05062

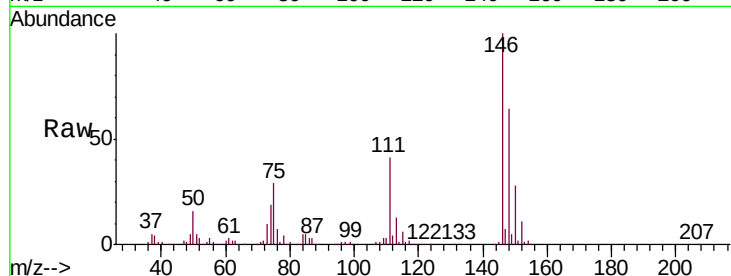
Tgt Ion:146 Resp: 243772

Ion Ratio Lower Upper

146 100

111 40.9 32.7 49.1

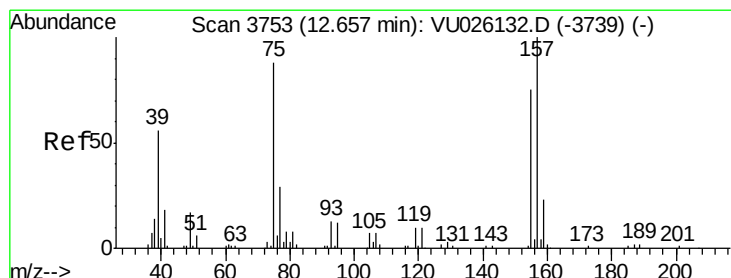
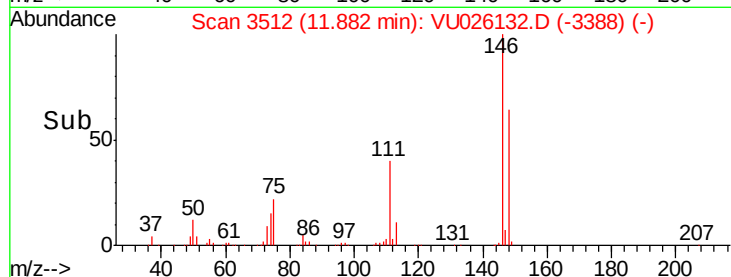
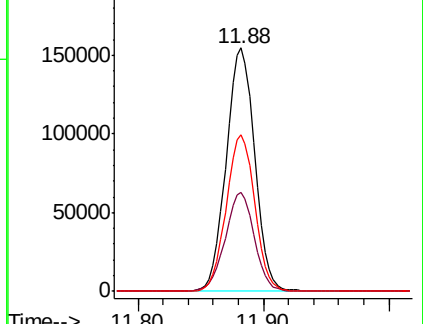
148 64.3 51.4 77.2



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: 50.892 ug/L

RT: 12.66 min Scan# 3753

Delta R.T. 0.00 min

Lab File: VU026132.D

Acq: 15 Aug 2018 08:48

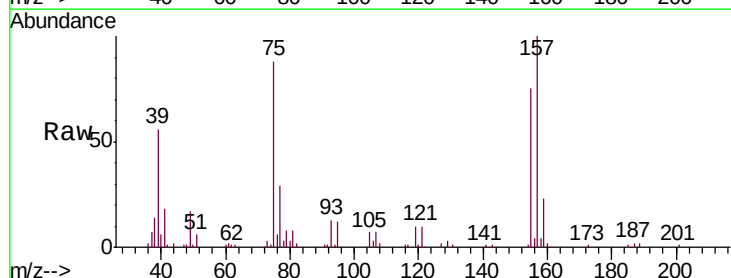
Tgt Ion: 75 Resp: 39028

Ion Ratio Lower Upper

75 100

155 85.2 68.2 102.2

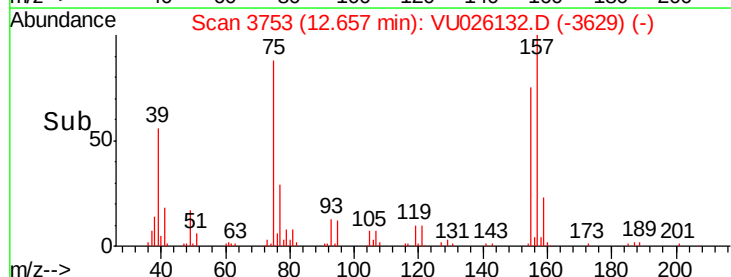
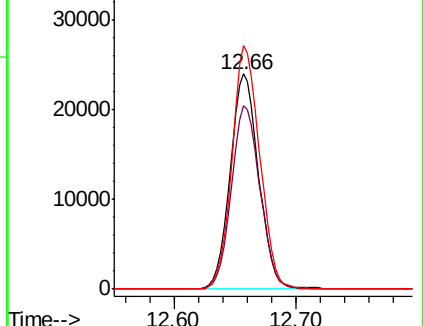
157 113.1 90.5 135.7

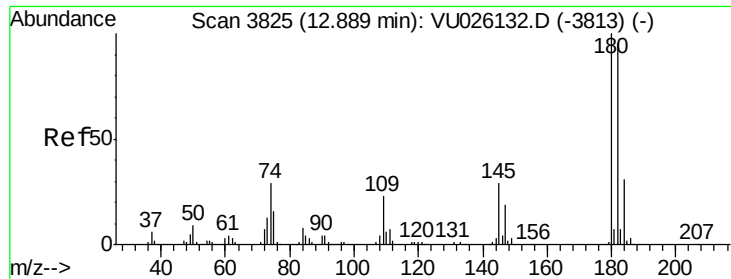


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

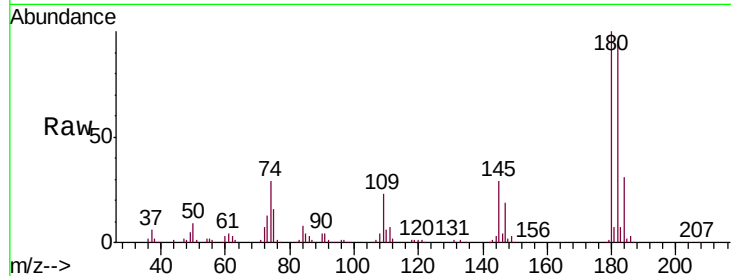




#67
 1,3,5-Trichlorobenzene
 Concen: 51.010 ug/L
 RT: 12.89 min Scan# 3825
 Delta R.T. 0.00 min
 Lab File: VU026132.D
 Acq: 15 Aug 2018 08:48

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05062

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.5	75.6	113.4
184	30.4	24.3	36.5
145	29.1	23.3	34.9



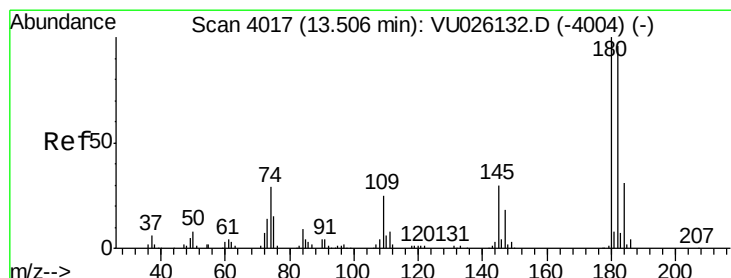
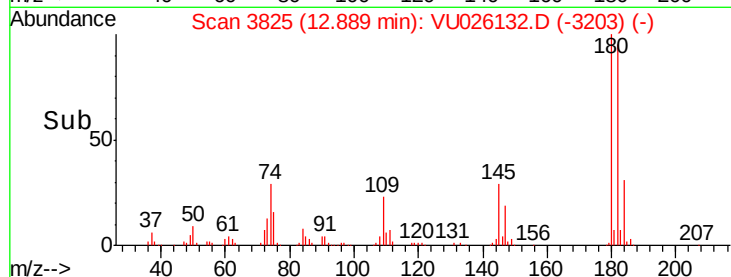
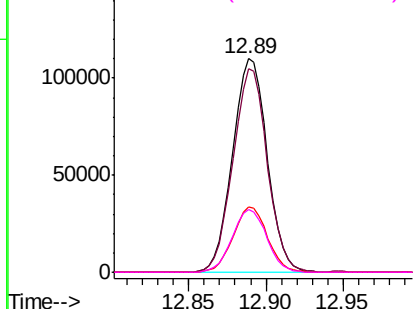
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

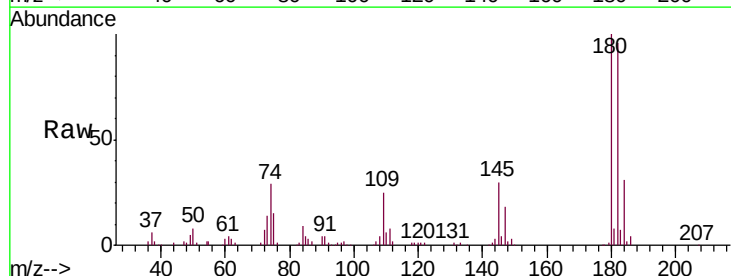
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 53.337 ug/L
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU026132.D
 Acq: 15 Aug 2018 08:48

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.0	76.8	115.2
145	29.7	23.8	35.6

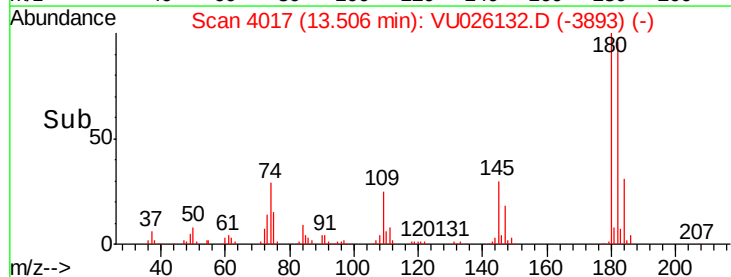
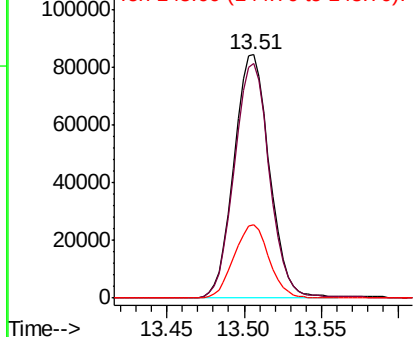


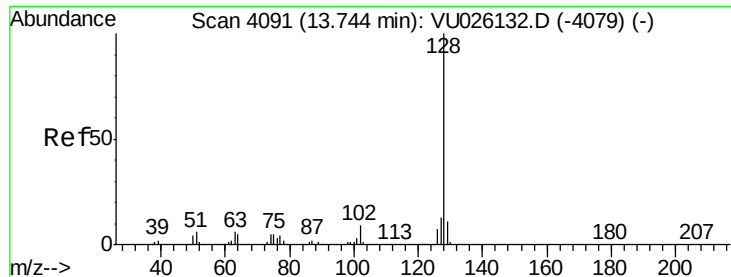
Abundance

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





#69

Naphthalene

Concen: 57.169 ug/L

RT: 13.74 min Scan# 4091

Delta R.T. 0.00 min

Lab File: VU026132.D

Acq: 15 Aug 2018 08:48

Instrument :

MSVOA_U

ClientSampleId :

VSTD05062

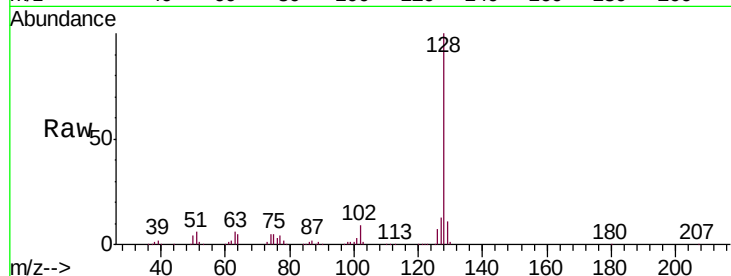
Tgt Ion:128 Resp: 411949

Ion Ratio Lower Upper

128 100

127 12.9 10.3 15.5

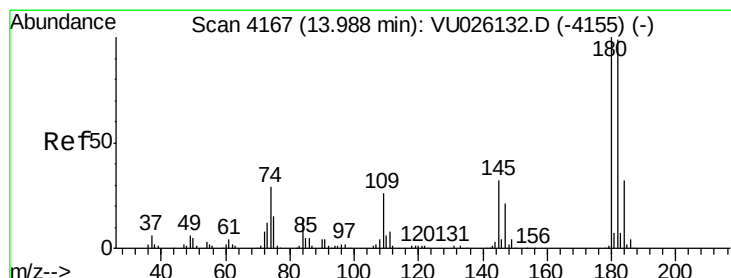
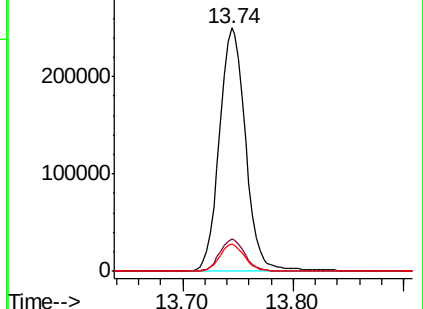
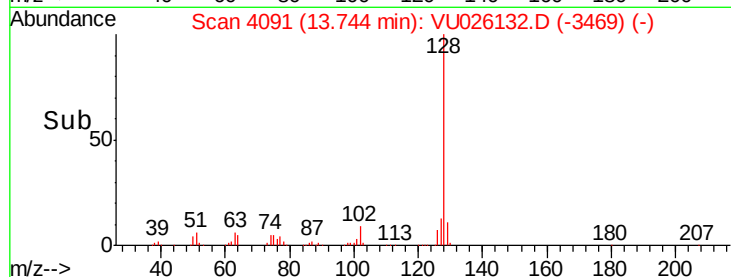
129 10.8 8.6 13.0



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: 54.190 ug/L

RT: 13.99 min Scan# 4167

Delta R.T. 0.00 min

Lab File: VU026132.D

Acq: 15 Aug 2018 08:48

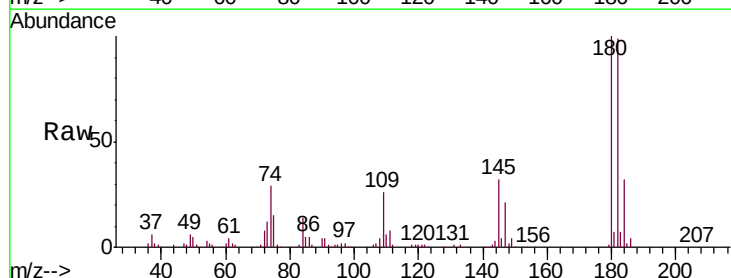
Tgt Ion:180 Resp: 147127

Ion Ratio Lower Upper

180 100

182 96.4 77.1 115.7

145 31.4 25.1 37.7



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

