

Data File : VU027866.D
Acq On : 30 Oct 2018 11:05
Operator : MD/SY
Sample : VSTD00144
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00144

Quant Time: Oct 31 01:45:28 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR103018WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Oct 31 01:42:19 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	92160	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	87244	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	44095	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	6712	0.93	ug/L	0.00
7) Chloroethane-d5	1.68	69	5344	0.96	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.28	63	13116	0.96	ug/L	0.00
20) 2-Butanone-d5	4.21	46	19366	8.99	ug/L	0.00
24) Chloroform-d	4.66	84	12182	0.94	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	7187	0.96	ug/L	0.00
32) Benzene-d6	5.34	84	22734	0.95	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.34	67	7641	0.90	ug/L	0.00
41) Toluene-d8	7.57	98	22053	0.97	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.86	79	2711	0.83	ug/L	0.00
46) 2-Hexanone-d5	8.32	63	16823	9.40	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.43	84	5517	0.92	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	7883	0.93	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	8812	0.971 ug/L	98
3) Chloromethane	1.33	50	8736	0.971 ug/L	97
5) Vinyl chloride	1.40	62	9066	1.012 ug/L	97
6) Bromomethane	1.64	94	2653	0.901 ug/L	98
8) Chloroethane	1.70	64	5038	0.960 ug/L	89
9) Trichlorofluoromethane	1.89	101	11890	1.000 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.30	101	5741	0.946 ug/L	95
12) 1,1-Dichloroethene	2.29	96	5868	1.025 ug/L	98
13) Acetone	2.34	43	13247	9.783 ug/L	98
14) Carbon disulfide	2.49	76	19992	0.978 ug/L	97
15) Methyl Acetate	2.63	43	3870	1.068 ug/L #	80
16) Methylene chloride	2.71	84	6555	1.019 ug/L	94
17) Methyl tert-butyl Ether	3.01	73	17073	1.000 ug/L	97
18) trans-1,2-Dichloroethene	2.99	96	6142	1.009 ug/L	96
19) 1,1-Dichloroethane	3.45	63	12693	0.988 ug/L	94
21) 2-Butanone	4.29	43	23956	10.176 ug/L	99
22) cis-1,2-Dichloroethene	4.23	96	7366	1.047 ug/L	82
23) Bromochloromethane	4.56	128	2745	0.942 ug/L	96
25) Chloroform	4.68	83	13067	1.003 ug/L	95
27) 1,2-Dichloroethane	5.41	62	8797	0.968 ug/L #	94
29) 1,1,1-Trichloroethane	4.92	97	10957	0.973 ug/L	96
30) Cyclohexane	5.00	56	13270	1.003 ug/L	99
31) Carbon tetrachloride	5.14	117	9779	1.012 ug/L	99
33) Benzene	5.40	78	28074	1.016 ug/L	100
34) Trichloroethene	6.19	95	7251	1.008 ug/L	98
35) Methylcyclohexane	6.42	83	12356	1.010 ug/L	95
37) 1,2-Dichloropropane	6.44	63	7939	1.009 ug/L #	94
38) Bromodichloromethane	6.76	83	9176	0.997 ug/L	100
39) cis-1,3-Dichloropropene	7.27	75	10938	0.970 ug/L	97
40) 4-Methyl-2-pentanone	7.47	43	56114	10.092 ug/L	99

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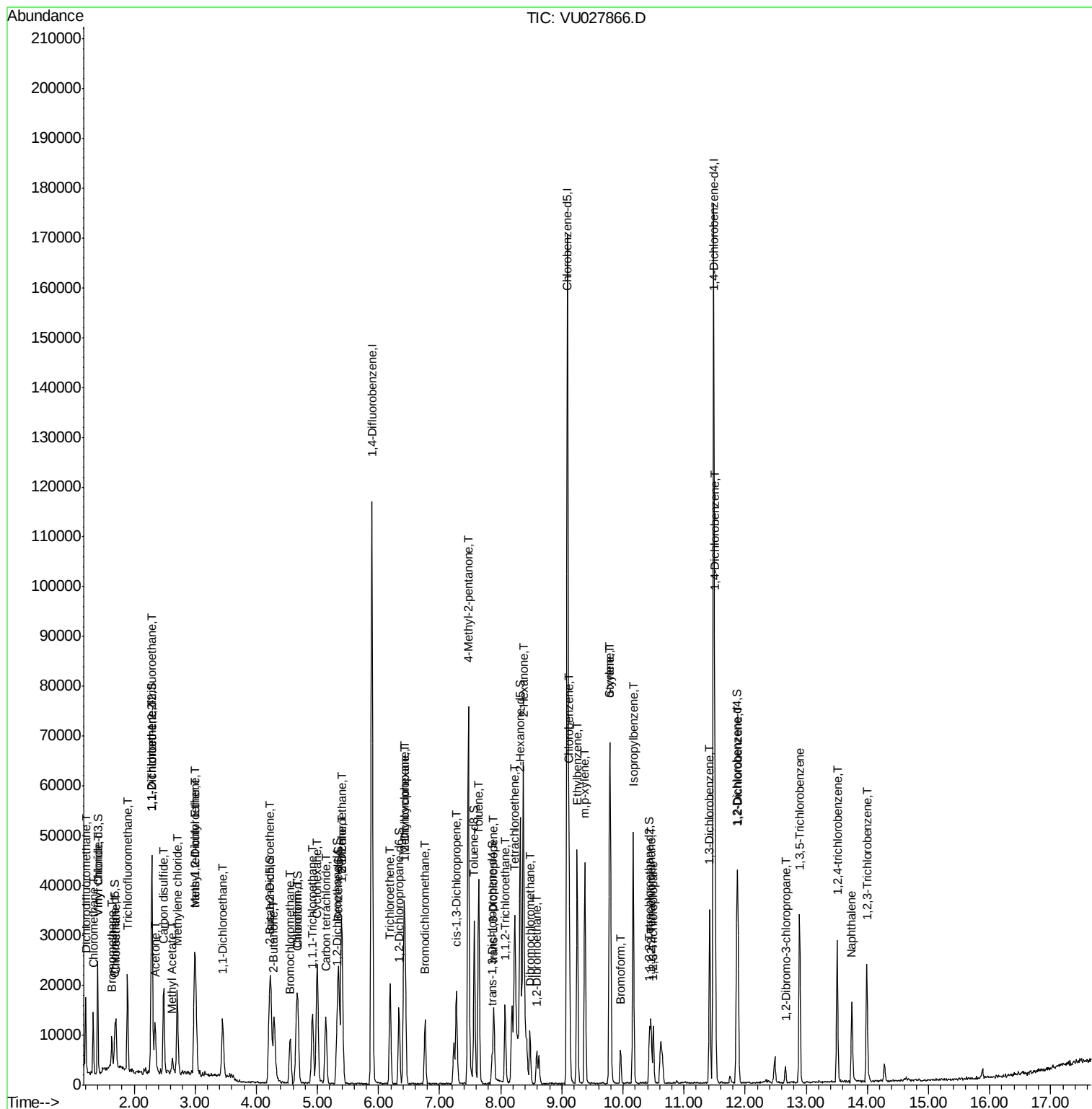
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.64	91	28569	0.988	ug/L	95
44) trans-1,3-Dichloropropene	7.89	75	9661	0.998	ug/L	100
45) 1,1,2-Trichloroethane	8.07	97	4900	1.012	ug/L	97
47) Tetrachloroethene	8.23	164	5516	0.998	ug/L	98
48) 2-Hexanone	8.37	43	41088	10.250	ug/L	98
49) Dibromochloromethane	8.48	129	5648	0.966	ug/L	86
50) 1,2-Dibromoethane	8.59	107	4509	0.973	ug/L #	98
51) Chlorobenzene	9.12	112	18297	1.020	ug/L	97
52) Ethylbenzene	9.25	91	32167	0.976	ug/L	99
53) m,p-xylene	9.38	106	11686	0.978	ug/L	97
54) o-xylene	9.78	106	11970	1.020	ug/L	92
55) Styrene	9.79	104	19792	1.006	ug/L	96
56) Isopropylbenzene	10.17	105	31392	0.982	ug/L	97
58) 1,1,2,2-Tetrachloroethane	10.46	83	5798	0.918	ug/L	93
59) 1,2,3-Trichloropropane	10.49	75	5147	1.079	ug/L	99
61) Bromoform	9.96	173	3015	0.929	ug/L	93
62) 1,3-Dichlorobenzene	11.42	146	14494	1.022	ug/L	95
63) 1,4-Dichlorobenzene	11.51	146	14157	0.999	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	13578	1.014	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.66	75	1041	0.992	ug/L #	87
67) 1,3,5-Trichlorobenzene	12.89	180	11159	0.978	ug/L	98
68) 1,2,4-trichlorobenzene	13.50	180	9119	0.939	ug/L	99
69) Naphthalene	13.75	128	14144	0.937	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	8710	0.985	ug/L	95

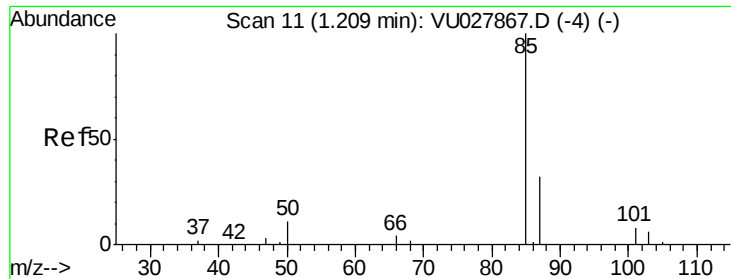
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 0.971 ug/L

RT: 1.21 min Scan# 11

Delta R.T. 0.00 min

Lab File: VU027866.D

Acq: 30 Oct 2018 11:05

Instrument :

MSVOA_U

ClientSampleId :

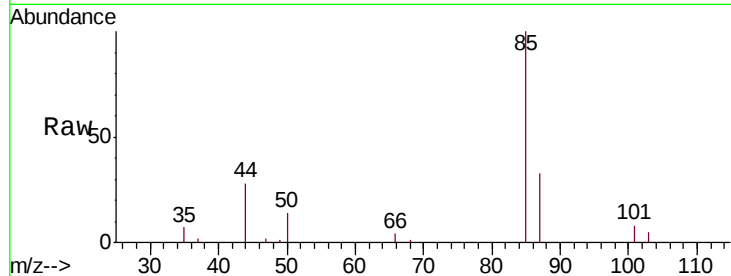
VSTD00144

Tgt Ion: 85 Resp: 8812

Ion Ratio Lower Upper

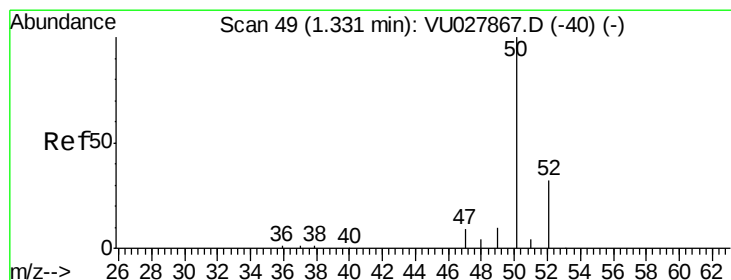
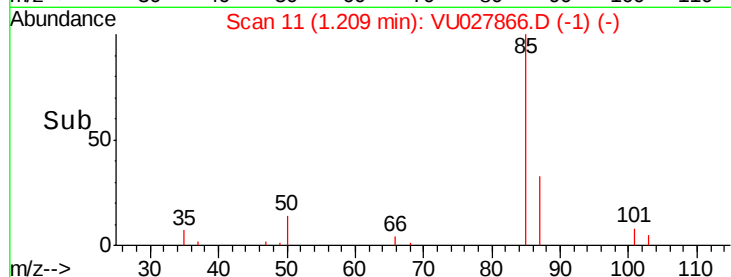
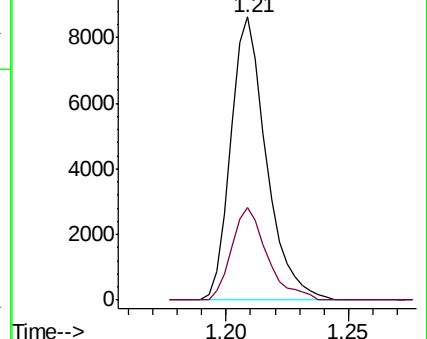
85 100

87 32.5 25.2 37.8



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 0.971 ug/L

RT: 1.33 min Scan# 49

Delta R.T. 0.00 min

Lab File: VU027866.D

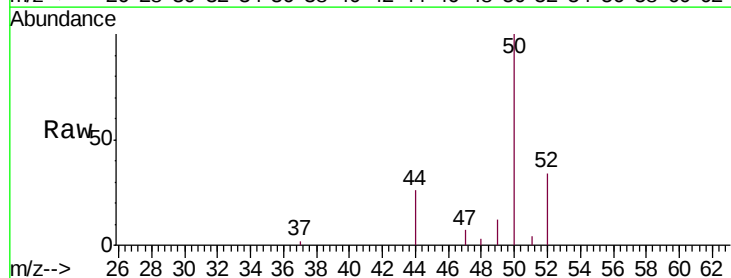
Acq: 30 Oct 2018 11:05

Tgt Ion: 50 Resp: 8736

Ion Ratio Lower Upper

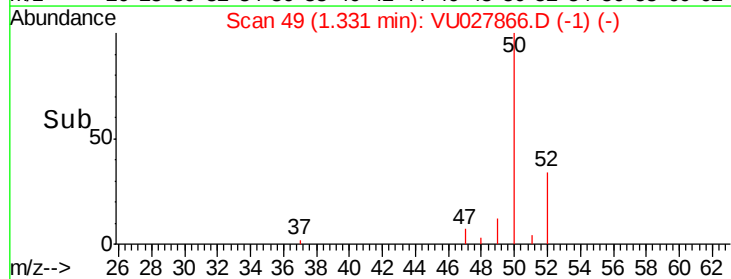
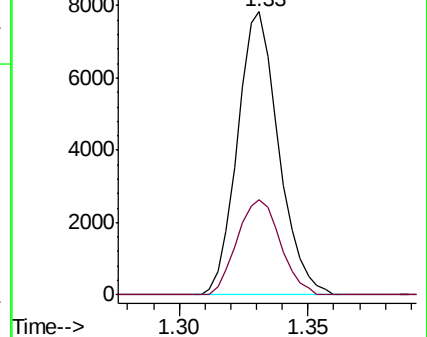
50 100

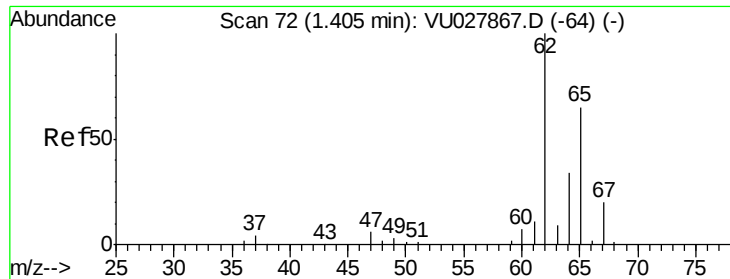
52 33.7 22.3 41.5



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0





#5

Vinyl chloride

Concen: 1.012 ug/L

RT: 1.40 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU027866.D

Acq: 30 Oct 2018 11:05

Instrument :

MSVOA_U

ClientSampleId :

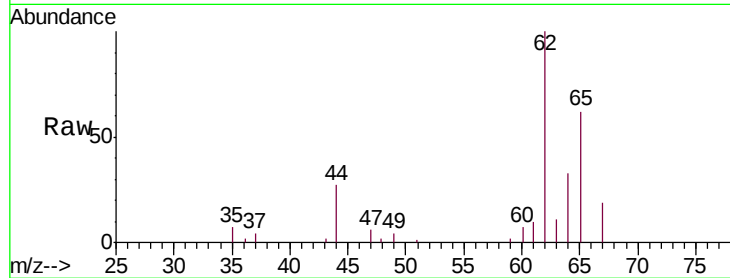
VSTD00144

Tgt Ion: 62 Resp: 9066

Ion Ratio Lower Upper

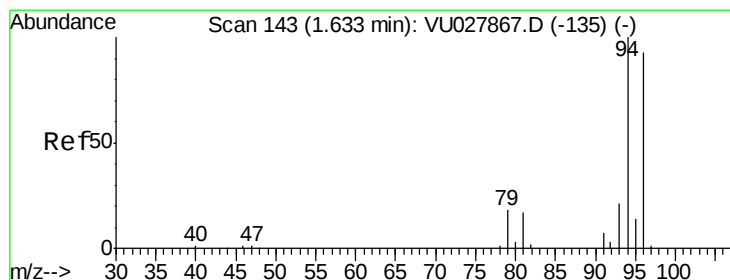
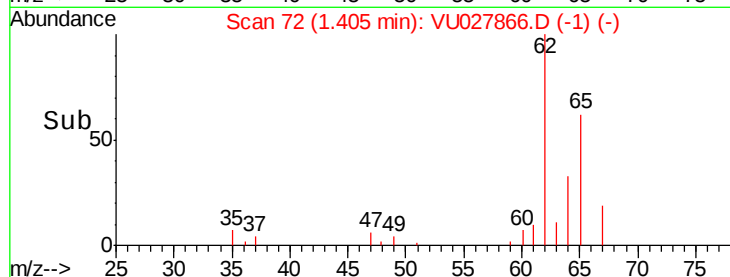
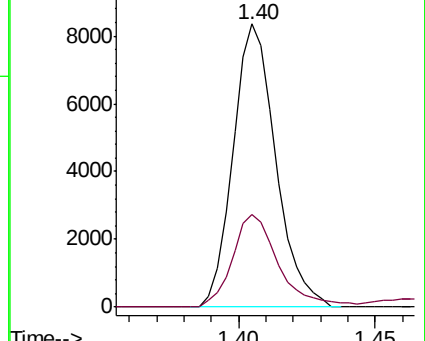
62 100

64 32.8 24.0 44.6



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#6

Bromomethane

Concen: 0.901 ug/L

RT: 1.64 min Scan# 144

Delta R.T. 0.00 min

Lab File: VU027866.D

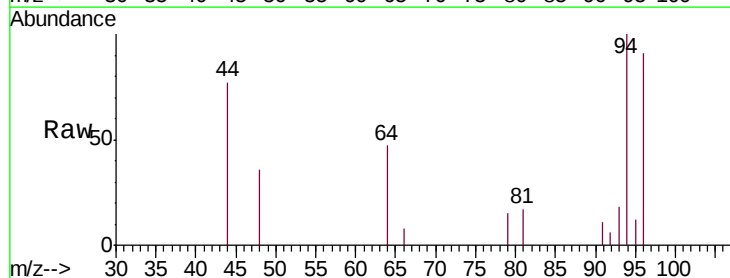
Acq: 30 Oct 2018 11:05

Tgt Ion: 94 Resp: 2653

Ion Ratio Lower Upper

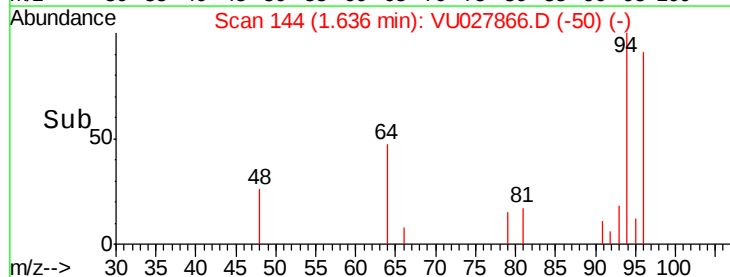
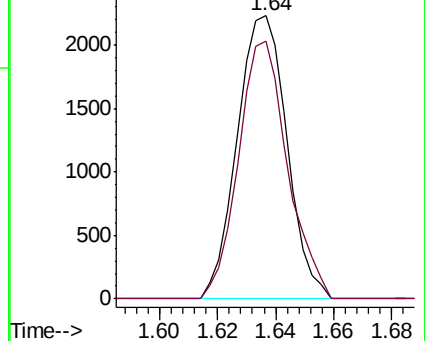
94 100

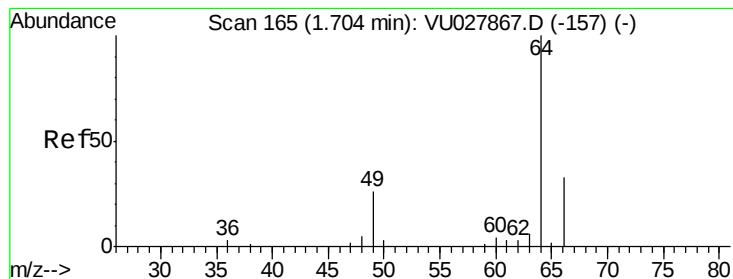
96 91.1 65.0 120.6



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 0.960 ug/L

RT: 1.70 min Scan# 165

Delta R.T. 0.00 min

Lab File: VU027866.D

Acq: 30 Oct 2018 11:05

Instrument :

MSVOA_U

ClientSampleId :

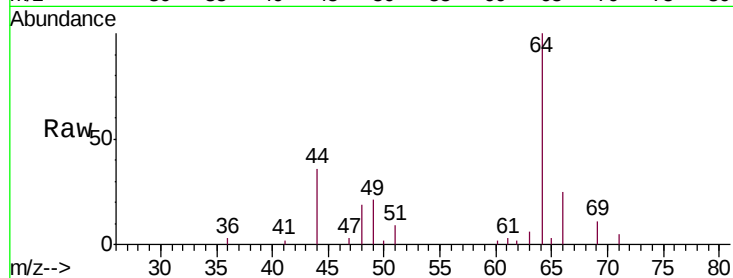
VSTD00144

Tgt Ion: 64 Resp: 5038

Ion Ratio Lower Upper

64 100

66 25.3 21.8 40.6

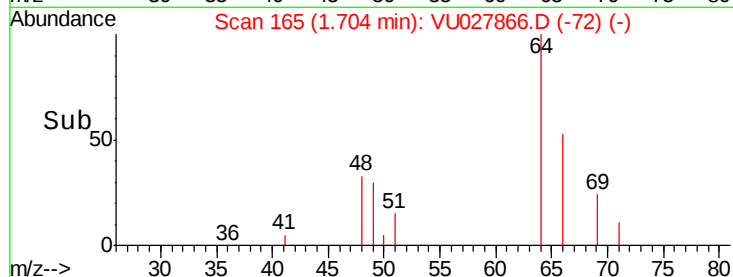


Abundance Ion 64.10 (63.80 to 64.80): VU027867.D (-157) (-)

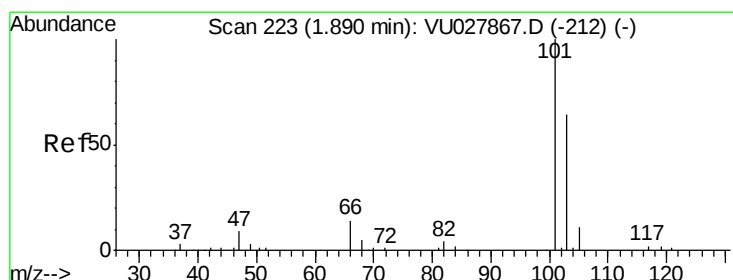
Ion 66.05 (65.75 to 66.75): VU027867.D (-157) (-)

1.70

1.75



Time-->



#9

Trichlorofluoromethane

Concen: 1.000 ug/L

RT: 1.89 min Scan# 224

Delta R.T. 0.00 min

Lab File: VU027866.D

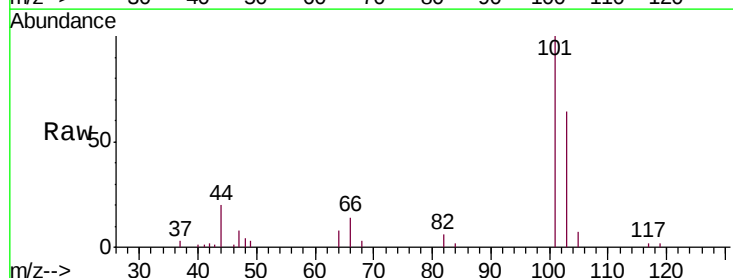
Acq: 30 Oct 2018 11:05

Tgt Ion: 101 Resp: 11890

Ion Ratio Lower Upper

101 100

103 63.8 51.4 77.0

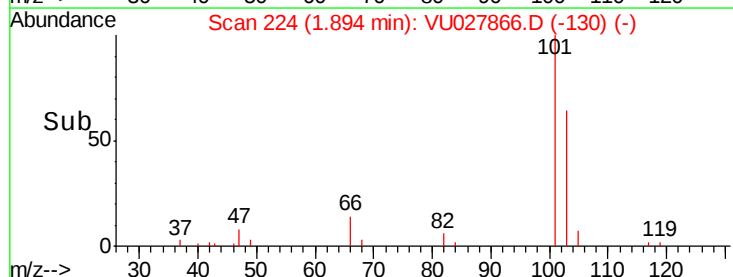


Abundance Ion 101.00 (100.70 to 101.70): VU027867.D (-212) (-)

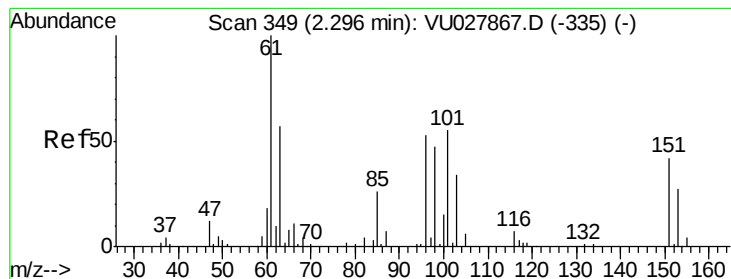
Ion 103.00 (102.70 to 103.70): VU027867.D (-212) (-)

1.89

1.95



Time-->



#10

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

Concen: 0.946 ug/L

RT: 2.30 min Scan# 349

Delta R.T. 0.00 min

Lab File: VU027866.D

Acq: 30 Oct 2018 11:05

Instrument :

MSVOA_U

ClientSampleId :

VSTD00144

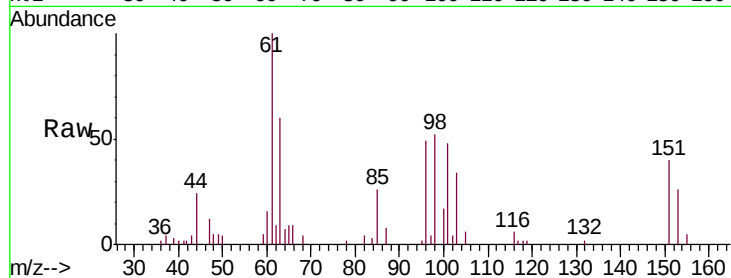
Tgt Ion: 101 Resp: 5741

Ion Ratio Lower Upper

101 100

85 48.4 37.1 55.7

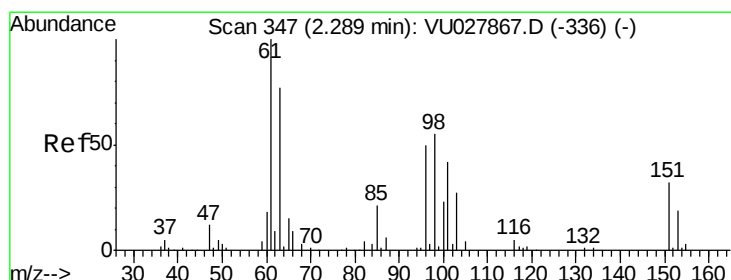
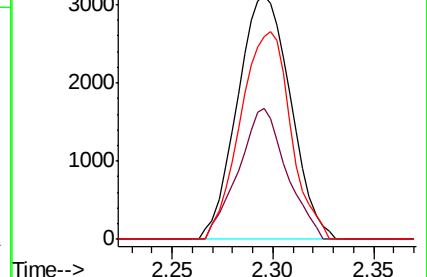
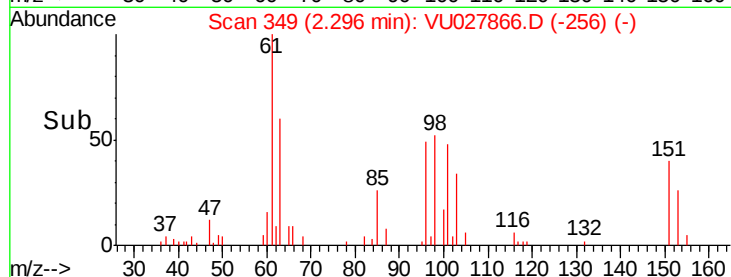
151 80.7 59.9 89.9



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: 1.025 ug/L

RT: 2.29 min Scan# 347

Delta R.T. 0.00 min

Lab File: VU027866.D

Acq: 30 Oct 2018 11:05

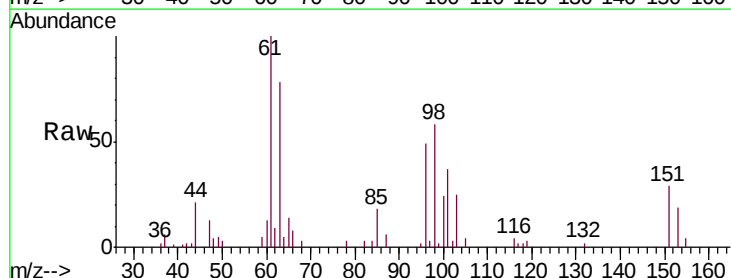
Tgt Ion: 96 Resp: 5868

Ion Ratio Lower Upper

96 100

61 206.0 141.1 262.1

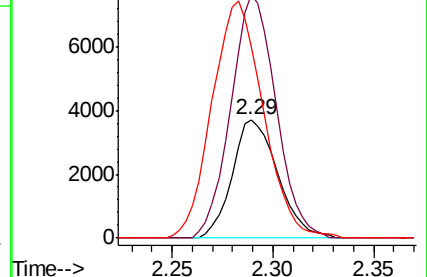
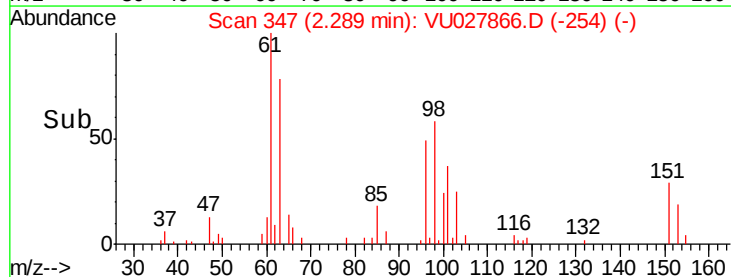
63 161.6 113.0 209.9

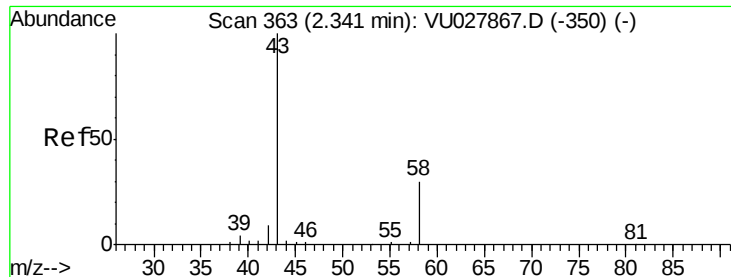


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 9.783 ug/L

RT: 2.34 min Scan# 364

Delta R.T. 0.00 min

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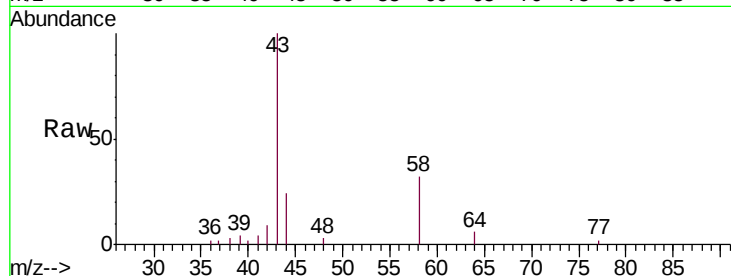
VSTD00144

Tgt Ion: 43 Resp: 13247

Ion Ratio Lower Upper

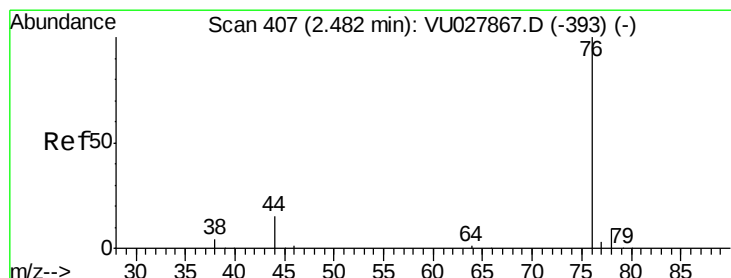
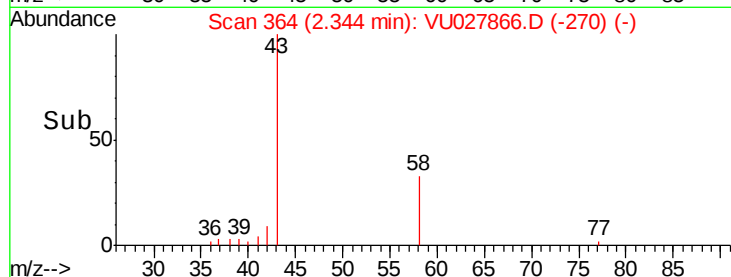
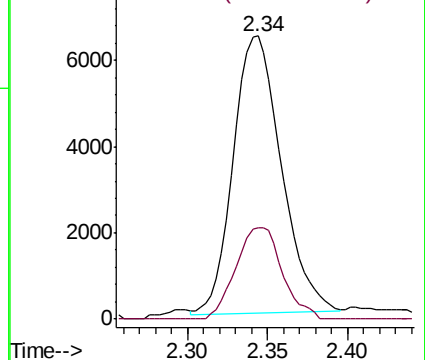
43 100

58 31.8 0.0 61.4



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0



#14

Carbon disulfide

Concen: 0.978 ug/L

RT: 2.49 min Scan# 408

Delta R.T. 0.00 min

Lab File: VU027866.D

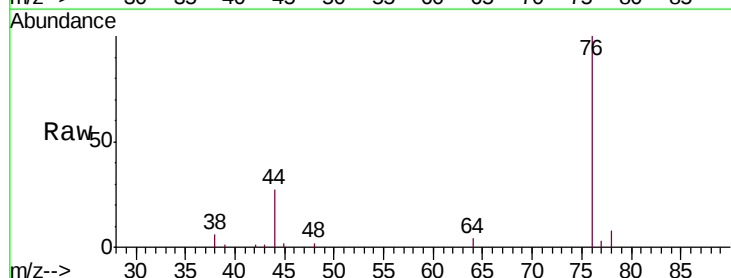
Acq: 30 Oct 2018 11:05

Tgt Ion: 76 Resp: 19992

Ion Ratio Lower Upper

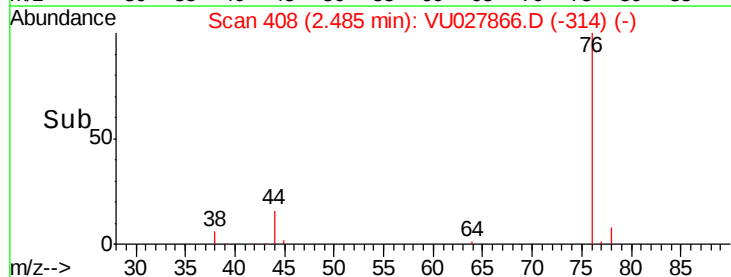
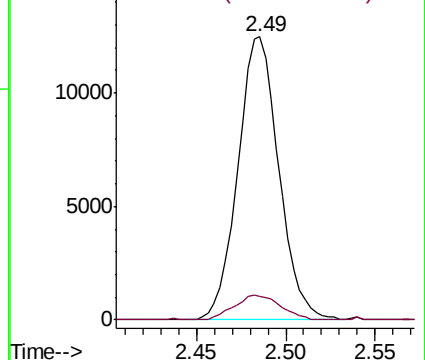
76 100

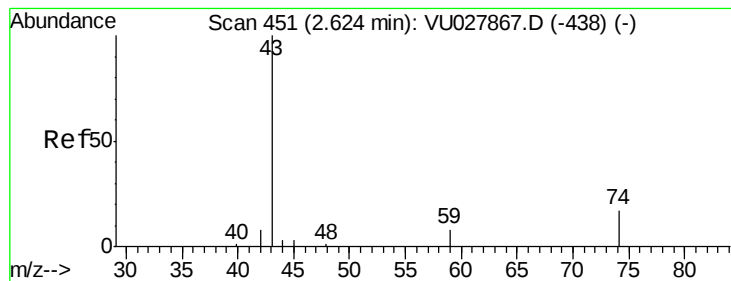
78 8.4 7.5 11.3



Abundance Ion 76.05 (75.75 to 76.75): VU0

Ion 78.00 (77.70 to 78.70): VU0





#15

Methyl Acetate

Concen: 1.068 ug/L

RT: 2.63 min Scan# 453

Delta R.T. 0.01 min

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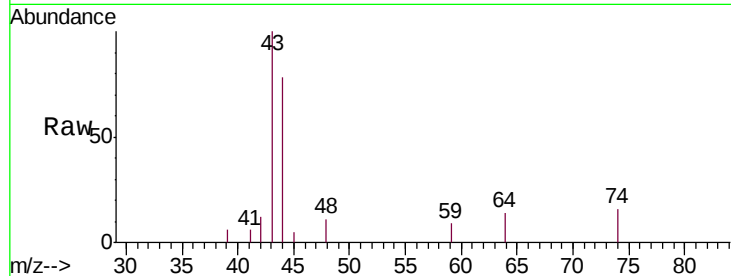
VSTD00144

Tgt Ion: 43 Resp: 3870

Ion Ratio Lower Upper

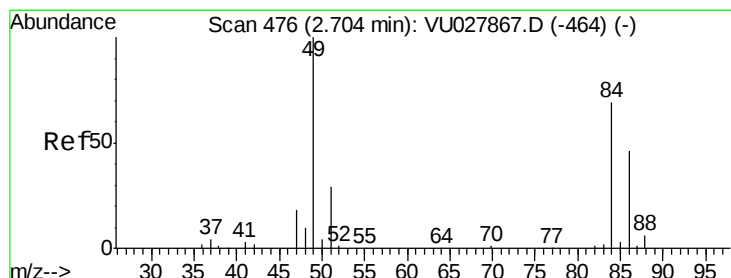
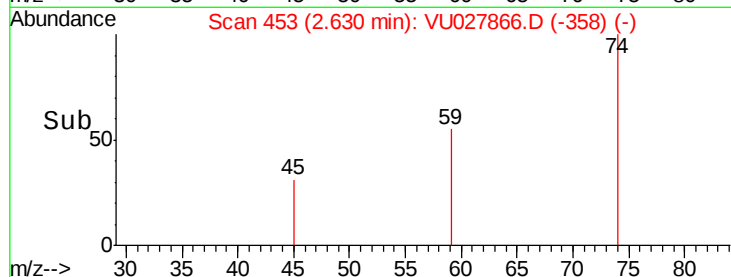
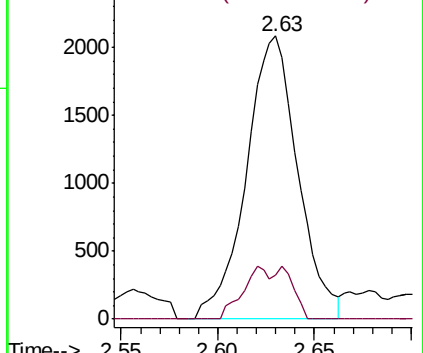
43 100

74 9.7 14.9 22.3#



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0



#16

Methylene chloride

Concen: 1.019 ug/L

RT: 2.71 min Scan# 477

Delta R.T. 0.00 min

Lab File: VU027866.D

Acq: 30 Oct 2018 11:05

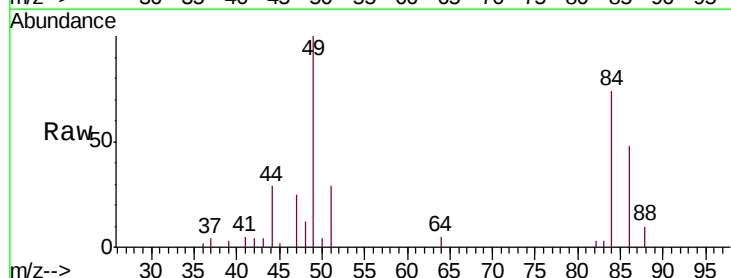
Tgt Ion: 84 Resp: 6555

Ion Ratio Lower Upper

84 100

86 65.5 46.7 86.7

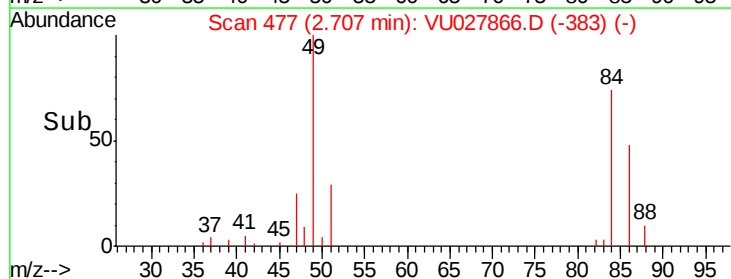
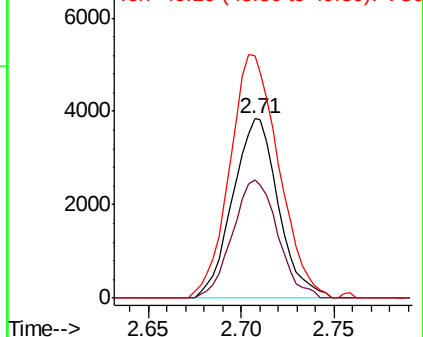
49 135.3 101.3 188.1

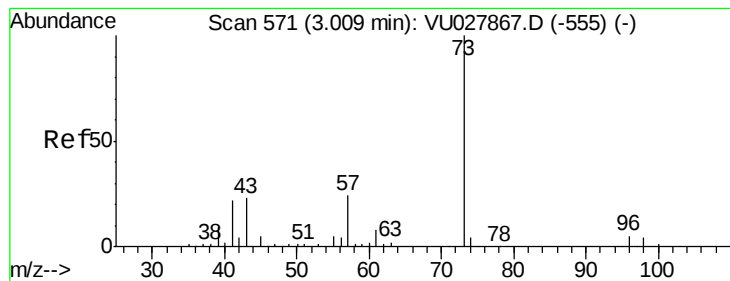


Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0





#17

Methyl tert-butyl Ether

Concen: 1.000 ug/L

RT: 3.01 min Scan# 570

Delta R.T. -0.00 min

Lab File: VU027866.D

Acq: 30 Oct 2018 11:05

Instrument :

MSVOA_U

ClientSampleId :

VSTD00144

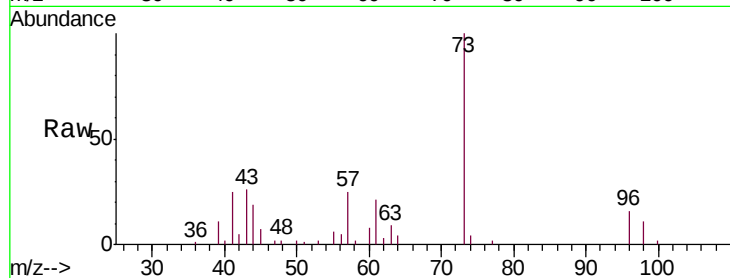
Tgt Ion: 73 Resp: 17073

Ion Ratio Lower Upper

73 100

43 26.4 18.7 28.1

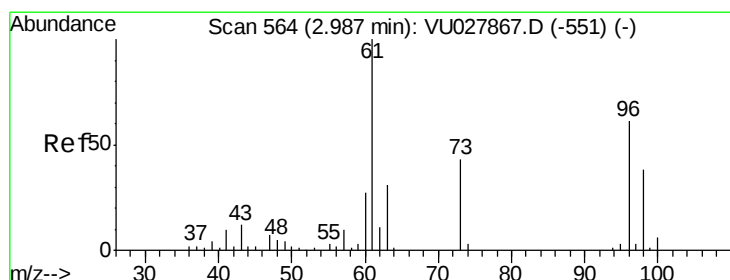
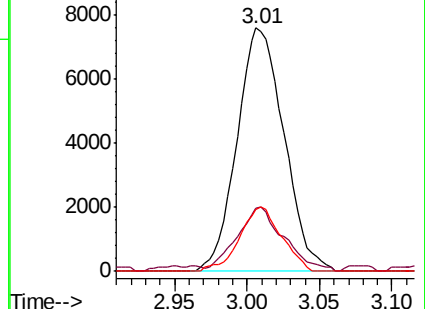
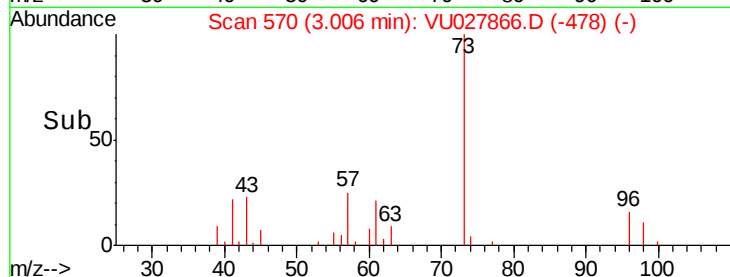
57 23.4 18.7 28.1



Abundance Ion 73.10 (72.80 to 73.80): VU027866.D (-478) (-)

Ion 43.05 (42.75 to 43.75): VU027866.D (-478) (-)

Ion 57.10 (56.80 to 57.80): VU027866.D (-478) (-)



#18

trans-1,2-Dichloroethene

Concen: 1.009 ug/L

RT: 2.99 min Scan# 564

Delta R.T. 0.00 min

Lab File: VU027866.D

Acq: 30 Oct 2018 11:05

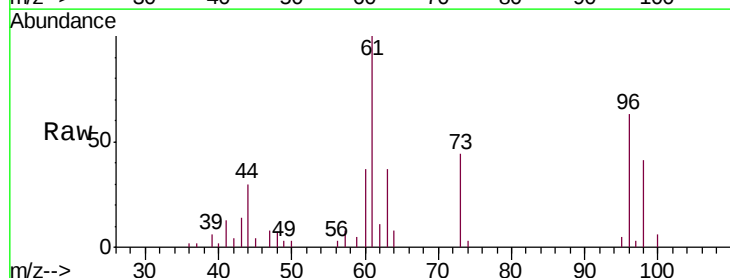
Tgt Ion: 96 Resp: 6142

Ion Ratio Lower Upper

96 100

61 159.5 115.2 214.0

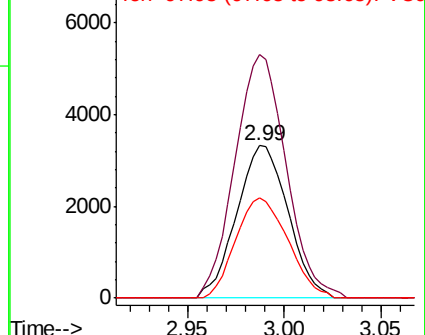
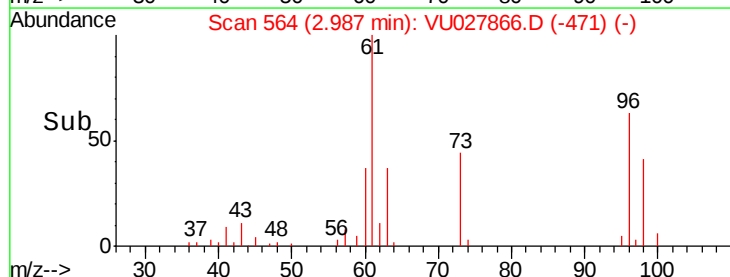
98 66.0 44.0 81.8

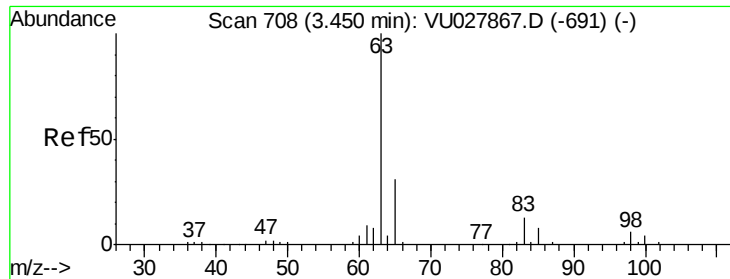


Abundance Ion 96.00 (95.70 to 96.70): VU027866.D (-471) (-)

Ion 61.05 (60.75 to 61.75): VU027866.D (-471) (-)

Ion 97.95 (97.65 to 98.65): VU027866.D (-471) (-)

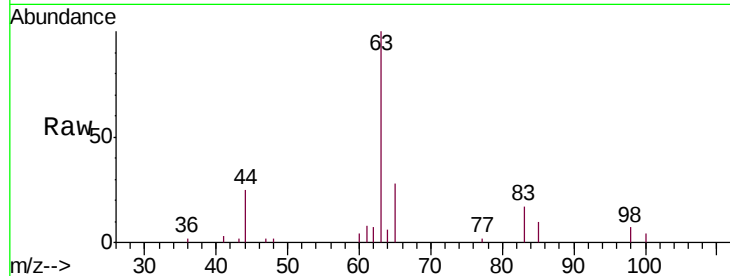




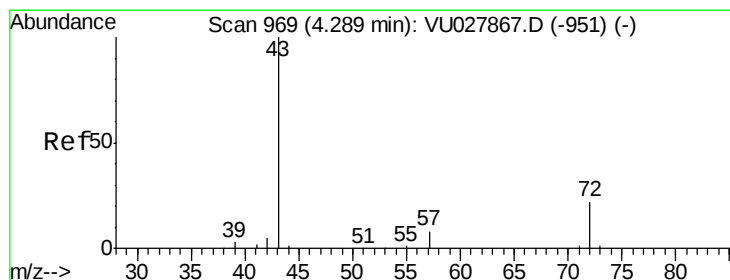
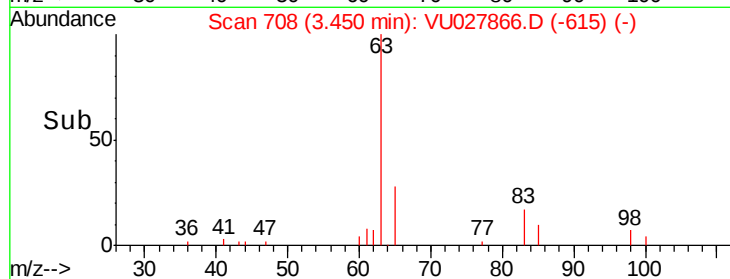
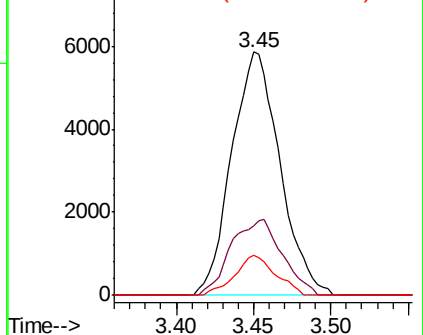
#19
 1,1-Dichloroethane
 Concen: 0.988 ug/L
 RT: 3.45 min Scan# 708
 Delta R.T. 0.00 min
 Lab File: VU027866.D
 Acq: 30 Oct 2018 11:05

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00144

Tgt Ion: 63 Resp: 12693
 Ion Ratio Lower Upper
 63 100
 65 28.5 21.8 40.4
 83 16.7 9.4 17.4

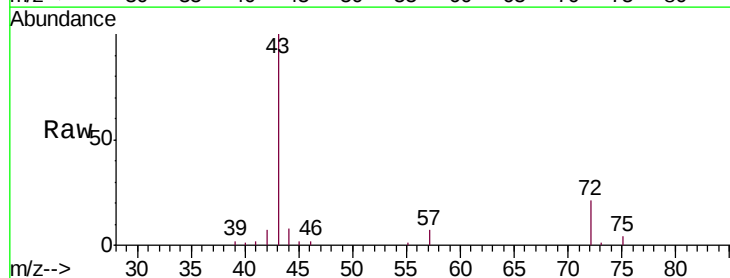


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

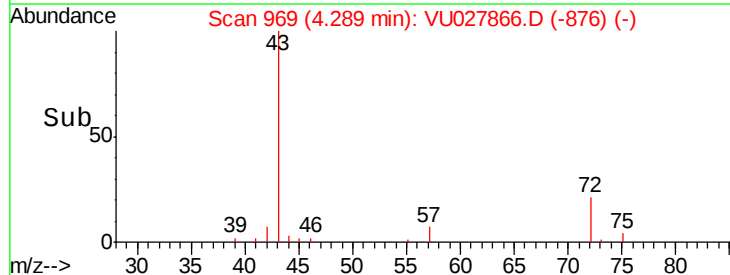
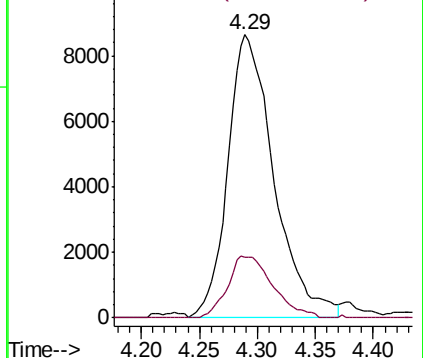


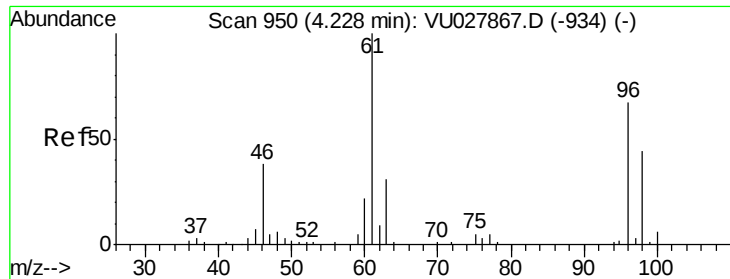
#21
 2-Butanone
 Concen: 10.176 ug/L
 RT: 4.29 min Scan# 969
 Delta R.T. 0.00 min
 Lab File: VU027866.D
 Acq: 30 Oct 2018 11:05

Tgt Ion: 43 Resp: 23956
 Ion Ratio Lower Upper
 43 100
 72 21.3 10.9 32.9



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



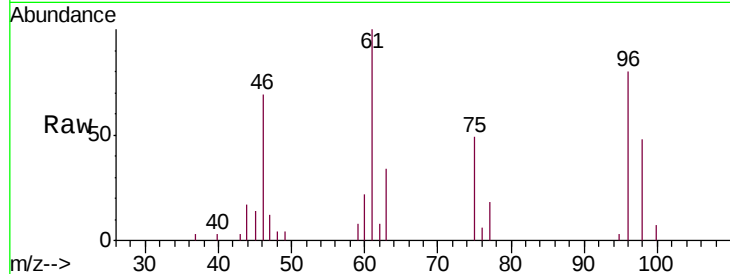


#22

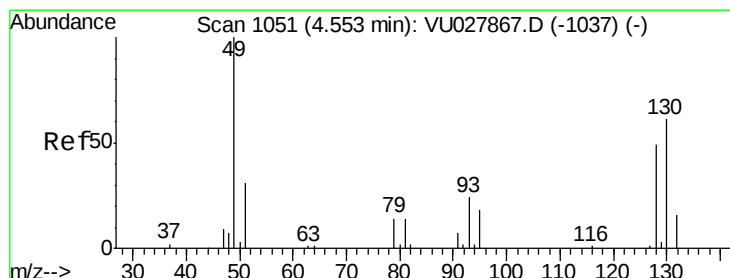
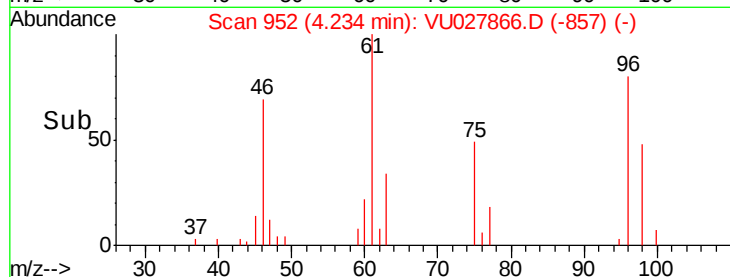
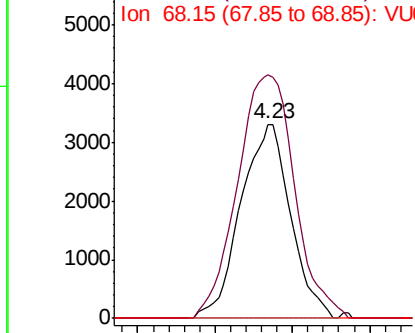
cis-1,2-Dichloroethene
Concen: 1.047 ug/L
RT: 4.23 min Scan# 952
Delta R.T. 0.01 min
Lab File: VU027866.D
Acq: 30 Oct 2018 11:05

Instrument :
MSVOA_U
ClientSampleId :
VSTD00144

Tgt Ion: 96 Resp: 7366
Ion Ratio Lower Upper
96 100
61 125.6 104.0 193.2
68 0.0 0.0 0.0



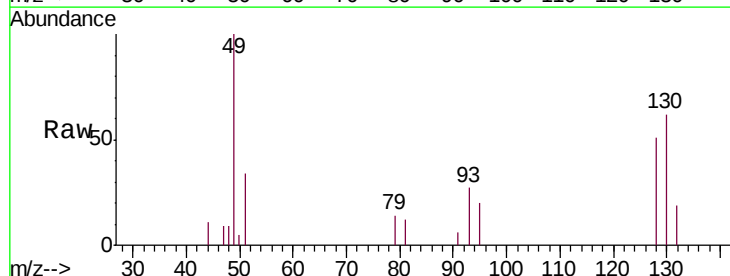
Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 68.15 (67.85 to 68.85): VU0



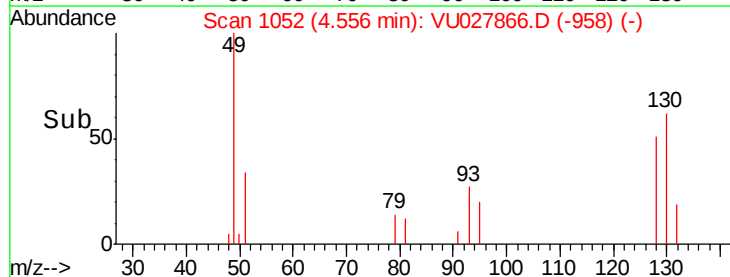
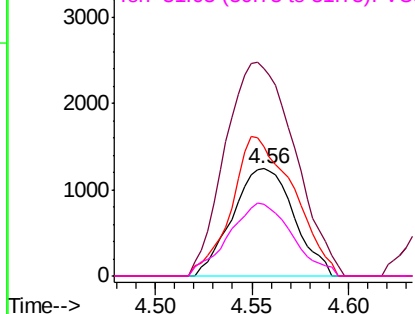
#23

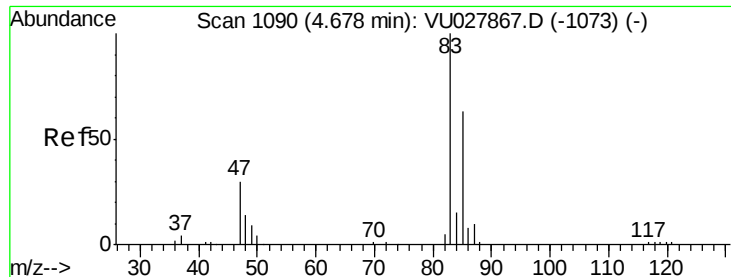
Bromochloromethane
Concen: 0.942 ug/L
RT: 4.56 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VU027866.D
Acq: 30 Oct 2018 11:05

Tgt Ion: 128 Resp: 2745
Ion Ratio Lower Upper
128 100
49 194.3 142.0 263.8
130 120.7 86.1 159.9
51 66.6 50.4 75.6



Abundance Ion 127.90 (127.60 to 128.60): V
Ion 49.10 (48.80 to 49.80): VU0
Ion 129.95 (129.65 to 130.65): V
Ion 51.05 (50.75 to 51.75): VU0

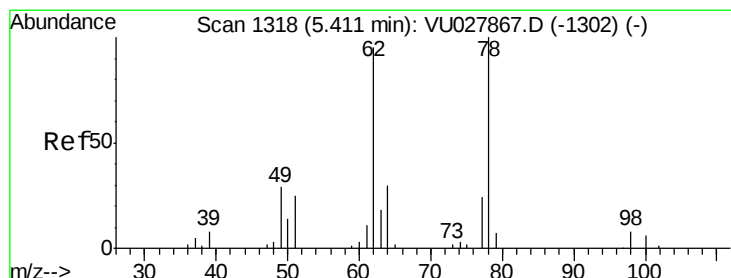
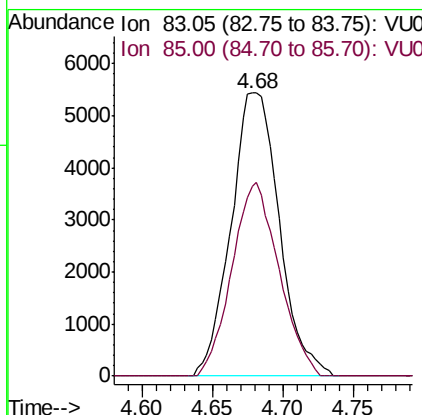
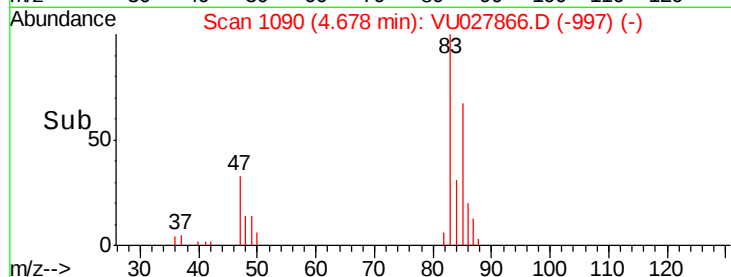
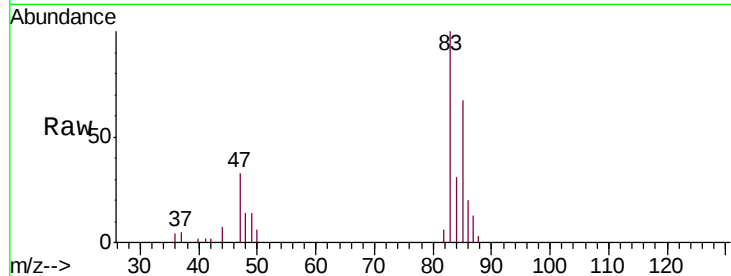




#25
Chloroform
Concen: 1.003 ug/L
RT: 4.68 min Scan# 1090
Delta R.T. 0.00 min
Lab File: VU027866.D
Acq: 30 Oct 2018 11:05

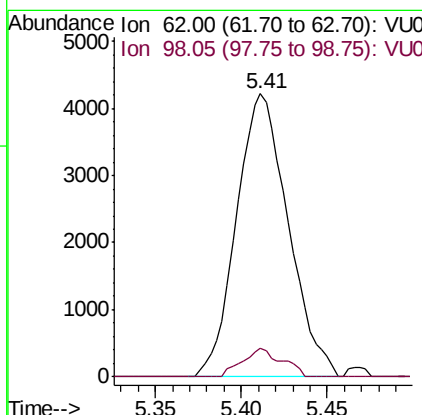
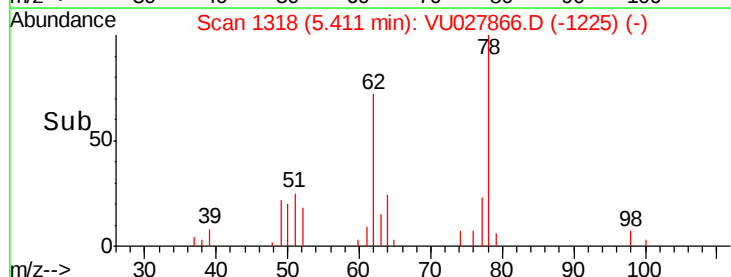
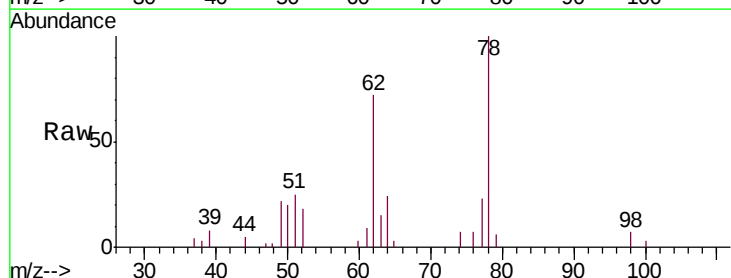
Instrument :
MSVOA_U
ClientSampleId :
VSTD00144

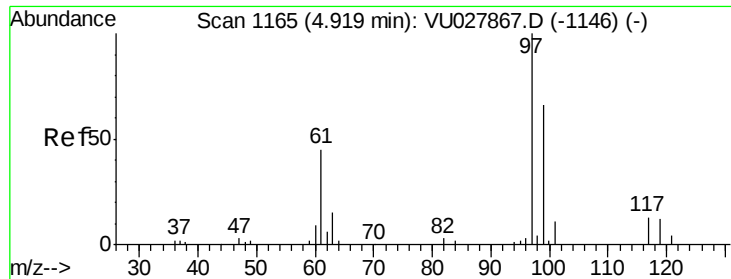
Tgt Ion: 83 Resp: 13067
Ion Ratio Lower Upper
83 100
85 67.1 44.0 81.8



#27
1,2-Dichloroethane
Concen: 0.968 ug/L
RT: 5.41 min Scan# 1318
Delta R.T. 0.00 min
Lab File: VU027866.D
Acq: 30 Oct 2018 11:05

Tgt Ion: 62 Resp: 8797
Ion Ratio Lower Upper
62 100
98 10.0 6.3 9.5#

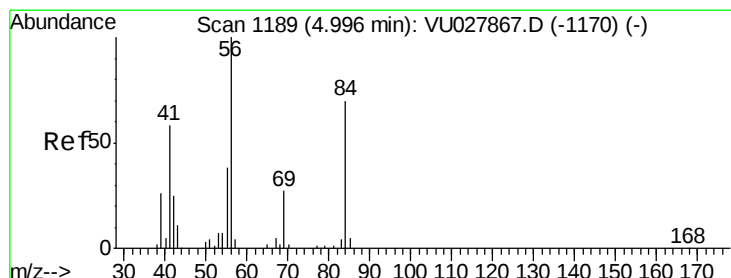
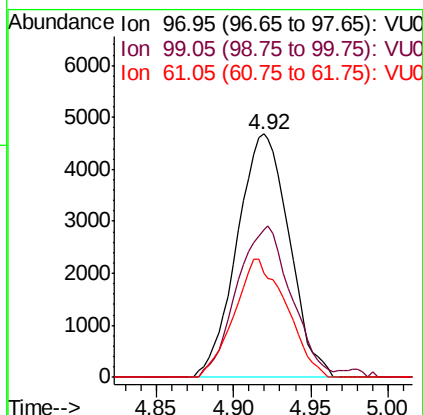
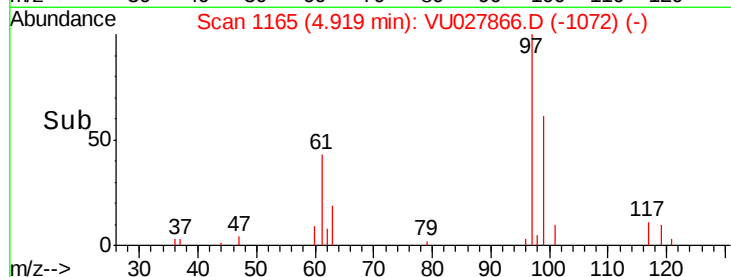
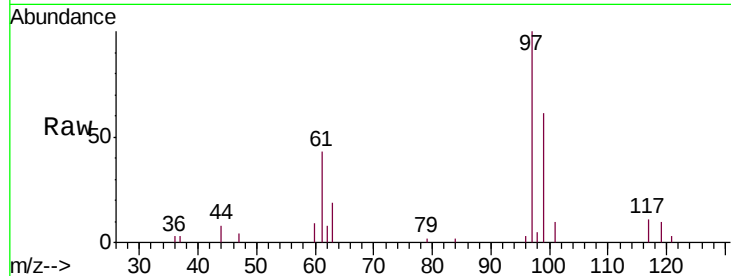




#29
 1,1,1-Trichloroethane
 Concen: 0.973 ug/L
 RT: 4.92 min Scan# 1165
 Delta R.T. 0.00 min
 Lab File: VU027866.D
 Acq: 30 Oct 2018 11:05

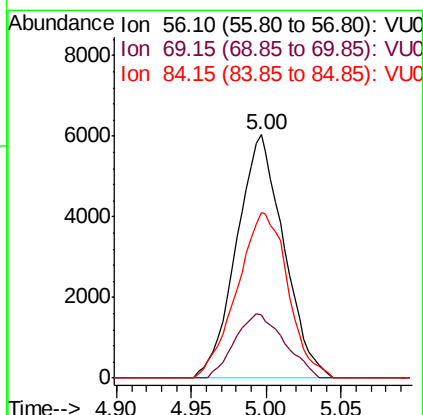
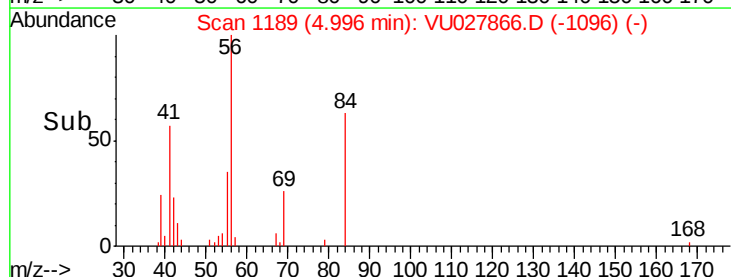
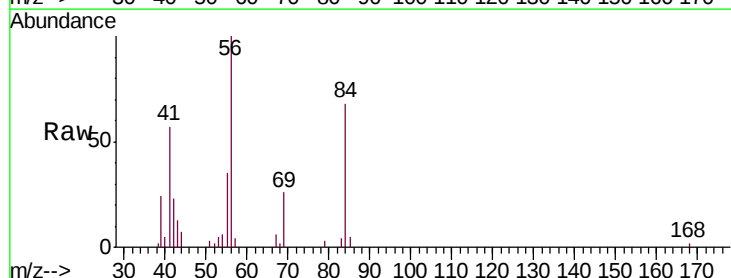
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00144

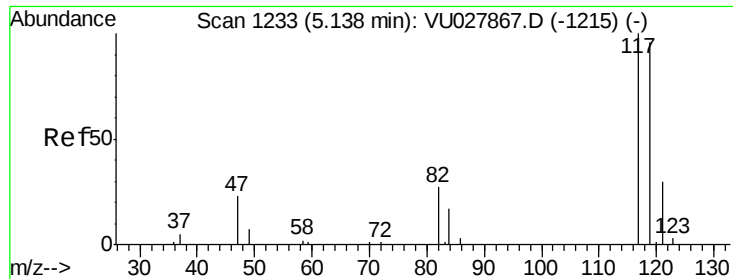
Tgt Ion: 97 Resp: 10957
 Ion Ratio Lower Upper
 97 100
 99 65.4 50.6 76.0
 61 48.7 35.8 53.6



#30
 Cyclohexane
 Concen: 1.003 ug/L
 RT: 5.00 min Scan# 1189
 Delta R.T. 0.00 min
 Lab File: VU027866.D
 Acq: 30 Oct 2018 11:05

Tgt Ion: 56 Resp: 13270
 Ion Ratio Lower Upper
 56 100
 69 27.6 22.7 34.1
 84 72.9 58.1 87.1

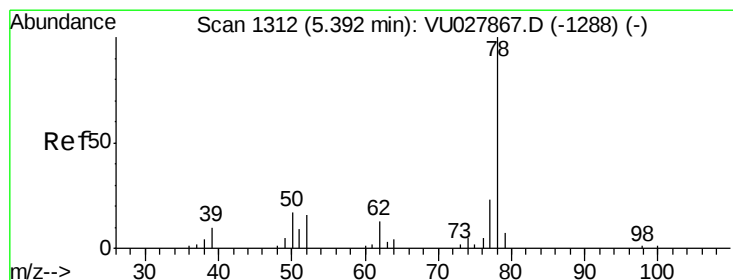
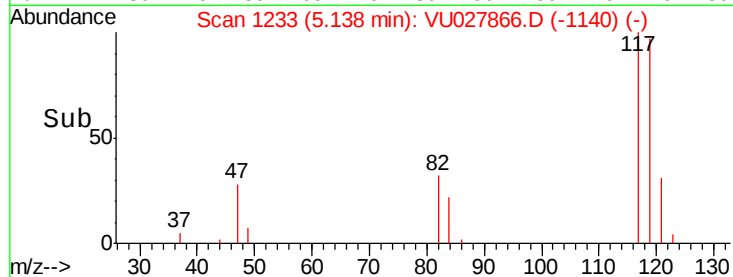
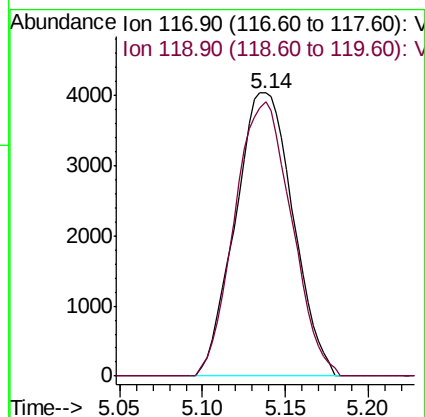
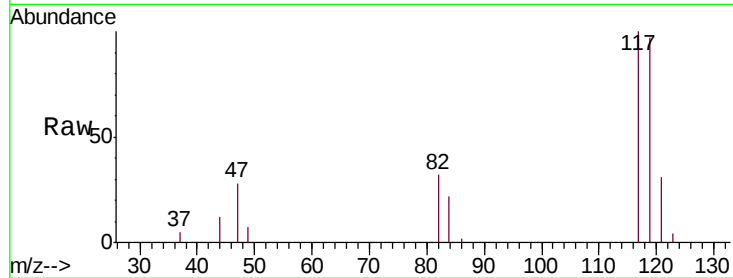




#31
Carbon tetrachloride
Concen: 1.012 ug/L
RT: 5.14 min Scan# 1233
Delta R.T. 0.00 min
Lab File: VU027866.D
Acq: 30 Oct 2018 11:05

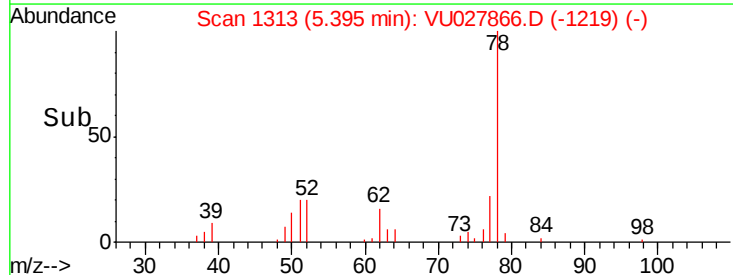
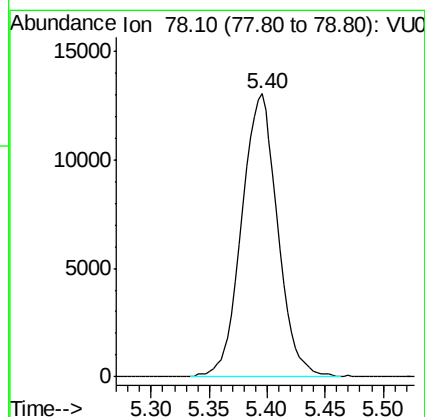
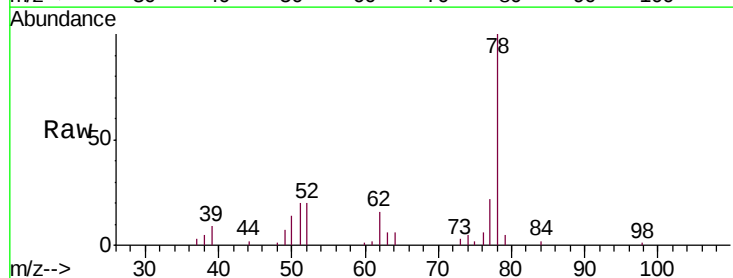
Instrument :
MSVOA_U
ClientSampleId :
VSTD00144

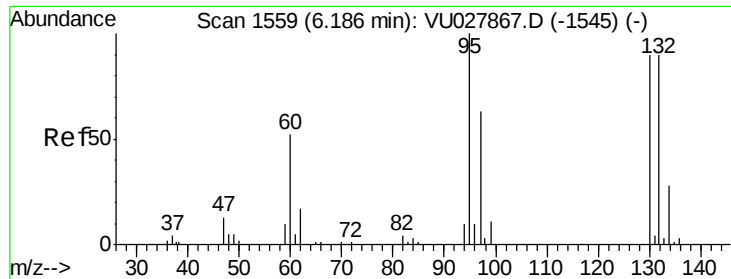
Tgt Ion:117 Resp: 9779
Ion Ratio Lower Upper
117 100
119 95.4 77.1 115.7



#33
Benzene
Concen: 1.016 ug/L
RT: 5.40 min Scan# 1313
Delta R.T. 0.00 min
Lab File: VU027866.D
Acq: 30 Oct 2018 11:05

Tgt Ion: 78 Resp: 28074

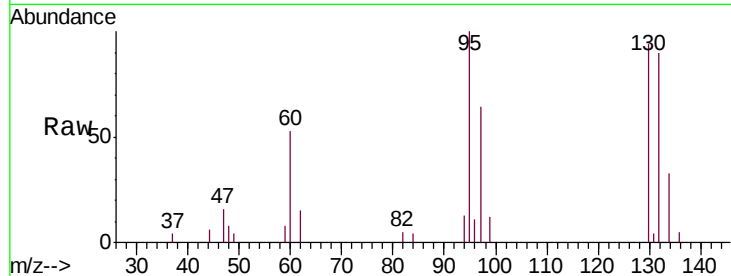




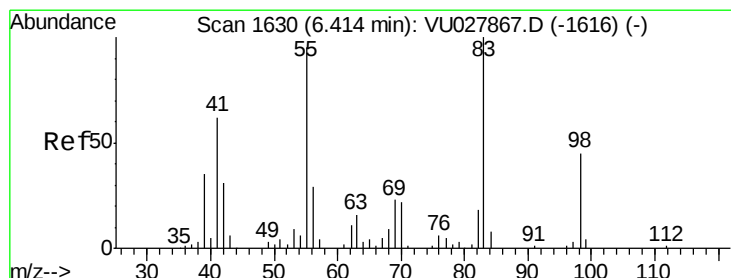
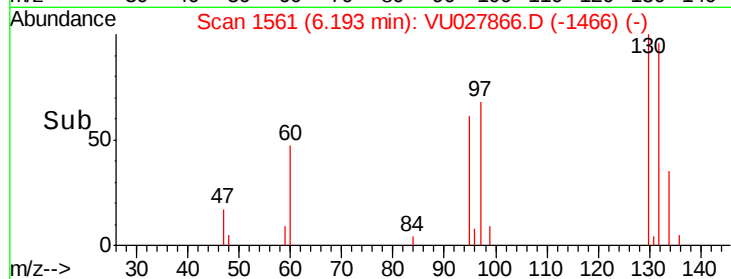
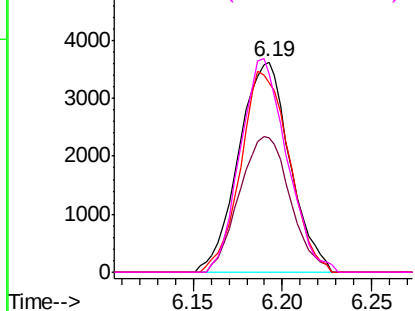
#34
 Trichloroethene
 Concen: 1.008 ug/L
 RT: 6.19 min Scan# 1561
 Delta R.T. 0.01 min
 Lab File: VU027866.D
 Acq: 30 Oct 2018 11:05

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00144

Tgt Ion: 95 Resp: 7251
 Ion Ratio Lower Upper
 95 100
 97 63.9 44.0 81.6
 132 90.3 63.3 117.5
 130 94.2 63.1 117.3

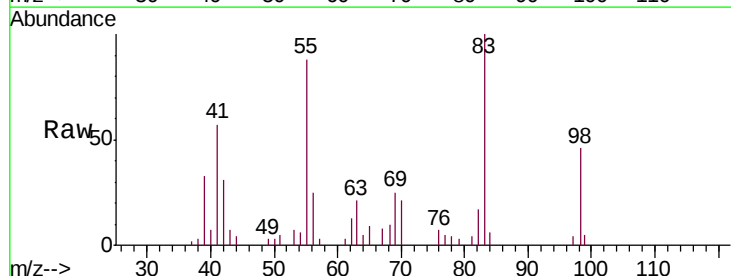


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

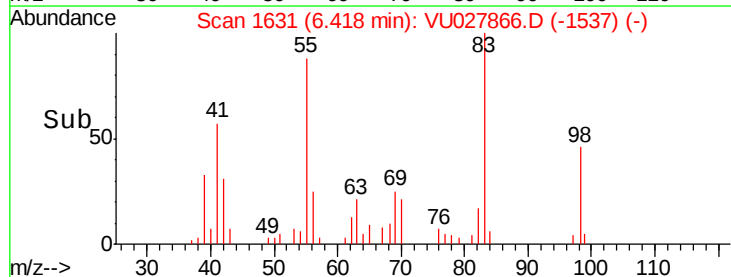
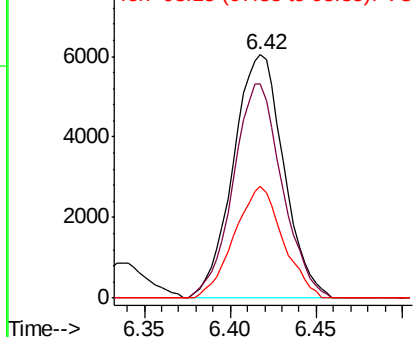


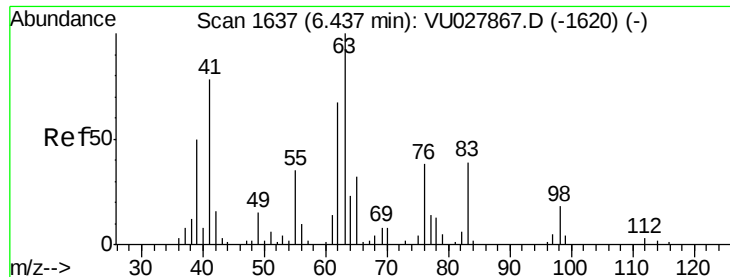
#35
 Methylcyclohexane
 Concen: 1.010 ug/L
 RT: 6.42 min Scan# 1631
 Delta R.T. 0.00 min
 Lab File: VU027866.D
 Acq: 30 Oct 2018 11:05

Tgt Ion: 83 Resp: 12356
 Ion Ratio Lower Upper
 83 100
 55 85.3 73.4 110.0
 98 44.1 35.3 52.9



Abundance Ion 83.15 (82.85 to 83.85): VU0
 Ion 55.10 (54.80 to 55.80): VU0
 Ion 98.15 (97.85 to 98.85): VU0

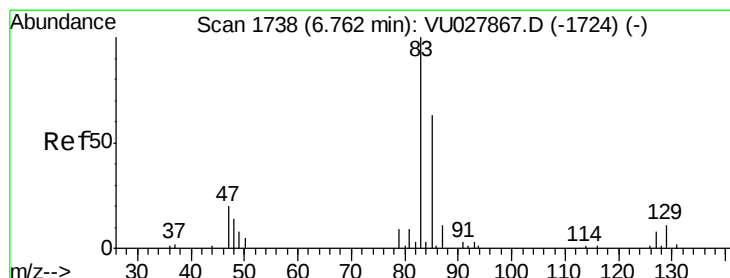
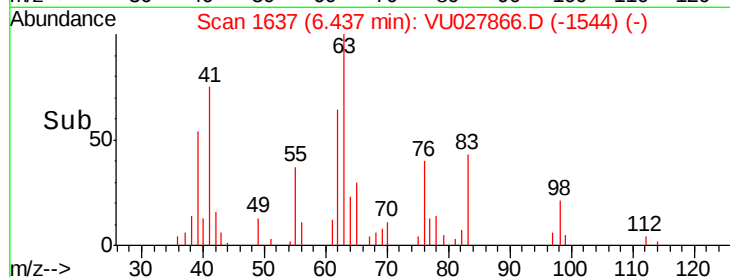
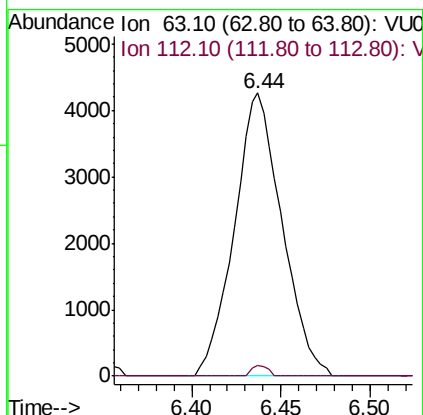
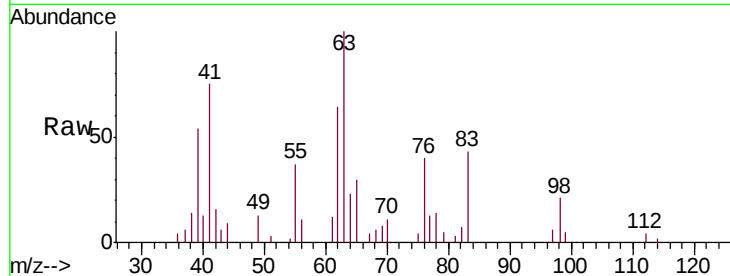




#37
 1,2-Dichloropropane
 Concen: 1.009 ug/L
 RT: 6.44 min Scan# 1637
 Delta R.T. 0.00 min
 Lab File: VU027866.D
 Acq: 30 Oct 2018 11:05

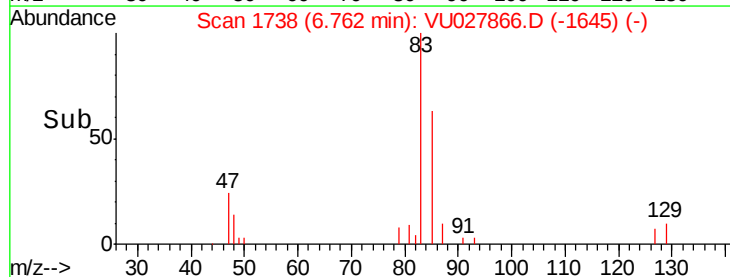
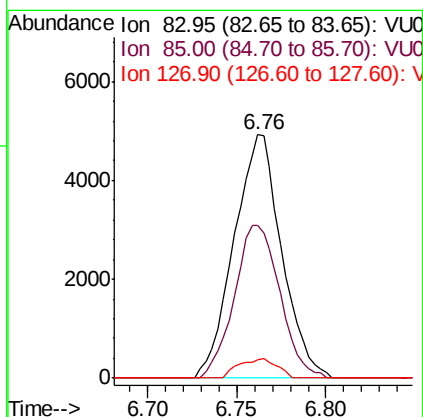
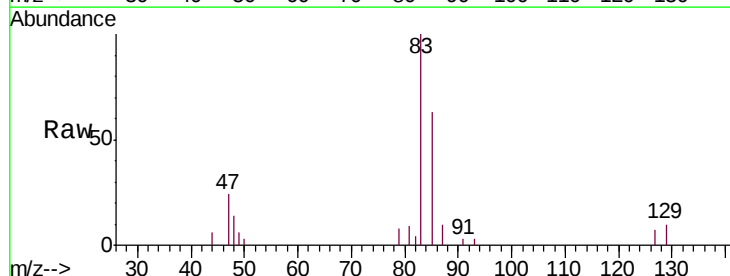
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00144

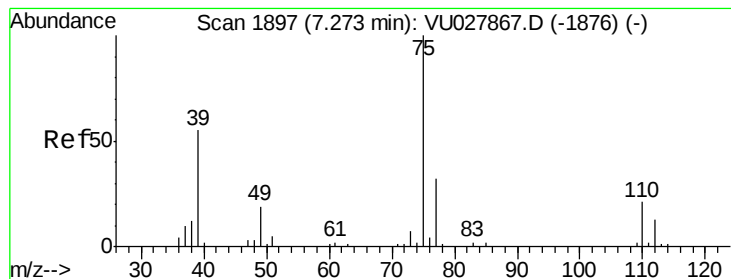
Tgt Ion: 63 Resp: 7939
 Ion Ratio Lower Upper
 63 100
 112 1.3 2.6 3.8#



#38
 Bromodichloromethane
 Concen: 0.997 ug/L
 RT: 6.76 min Scan# 1738
 Delta R.T. 0.00 min
 Lab File: VU027866.D
 Acq: 30 Oct 2018 11:05

Tgt Ion: 83 Resp: 9176
 Ion Ratio Lower Upper
 83 100
 85 62.8 43.8 81.4
 127 7.5 6.4 9.6



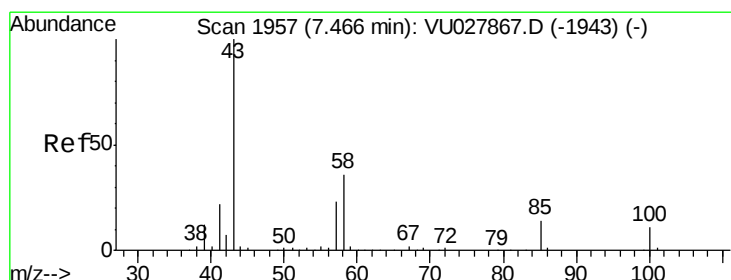
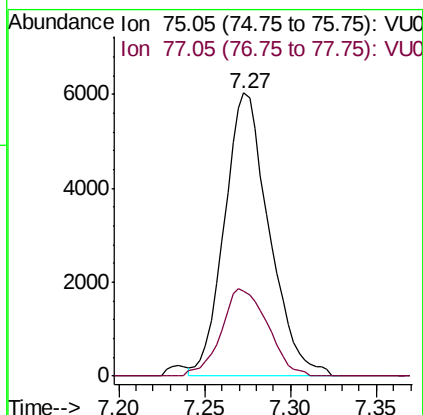
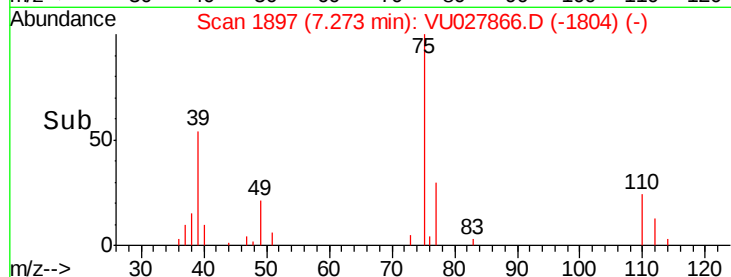
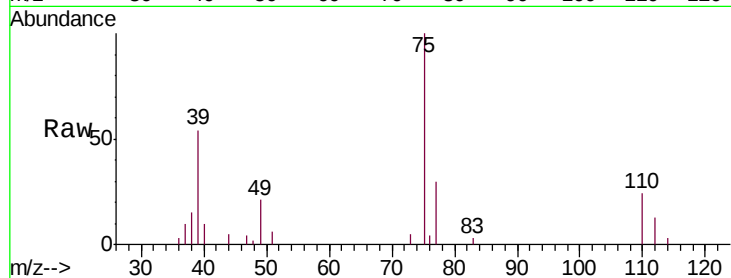


#39

cis-1,3-Dichloropropene
 Concen: 0.970 ug/L
 RT: 7.27 min Scan# 1897
 Delta R.T. 0.00 min
 Lab File: VU027866.D
 Acq: 30 Oct 2018 11:05

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00144

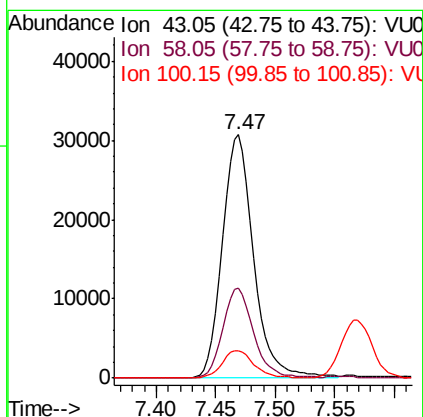
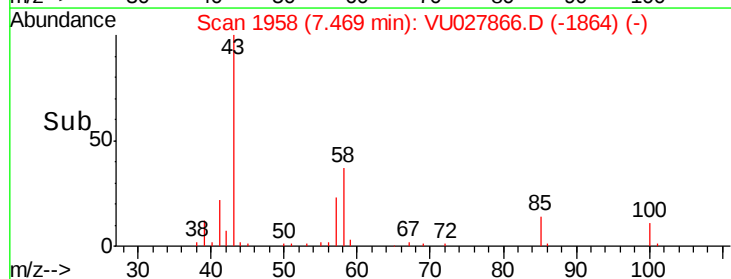
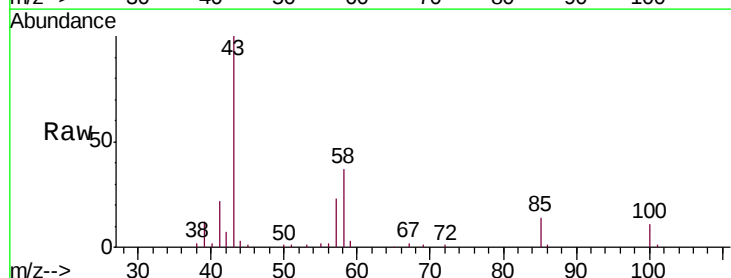
Tgt Ion: 75 Resp: 10938
 Ion Ratio Lower Upper
 75 100
 77 30.2 22.2 41.2

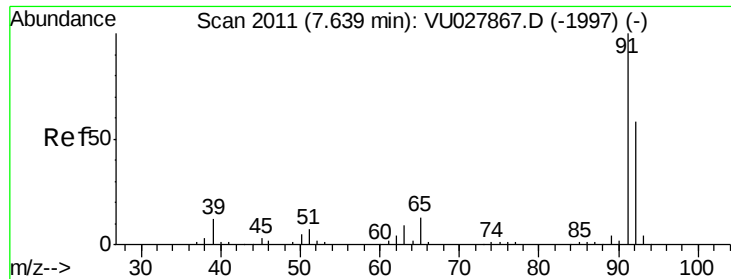


#40

4-Methyl-2-pentanone
 Concen: 10.092 ug/L
 RT: 7.47 min Scan# 1958
 Delta R.T. 0.00 min
 Lab File: VU027866.D
 Acq: 30 Oct 2018 11:05

Tgt Ion: 43 Resp: 56114
 Ion Ratio Lower Upper
 43 100
 58 36.1 28.5 42.7
 100 11.4 8.8 13.2





#42

Toluene

Concen: 0.988 ug/L

RT: 7.64 min Scan# 2011

Delta R.T. 0.00 min

Lab File: VU027866.D

Acq: 30 Oct 2018 11:05

Instrument :

MSVOA_U

ClientSampleId :

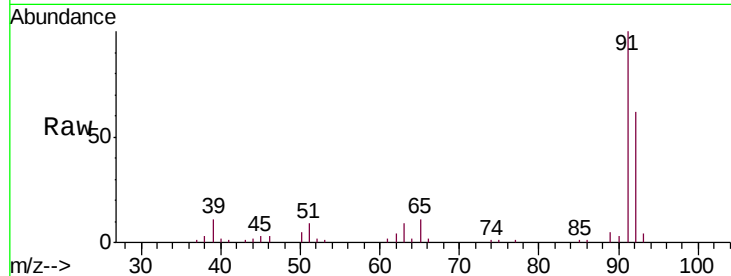
VSTD00144

Tgt Ion: 91 Resp: 28569

Ion Ratio Lower Upper

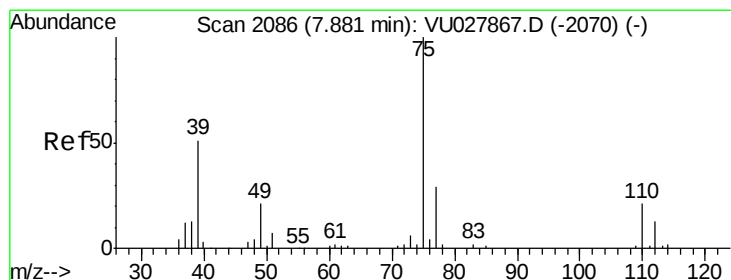
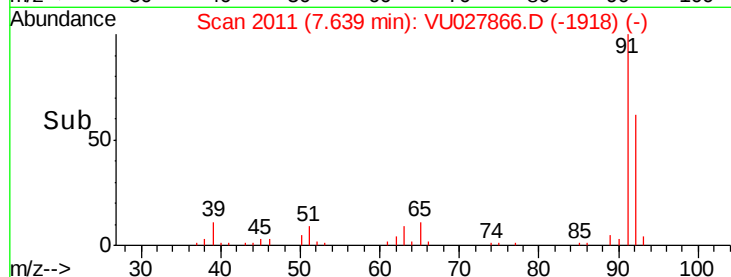
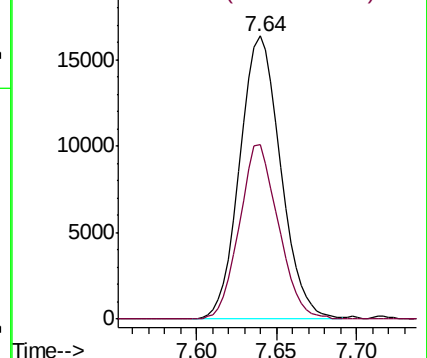
91 100

92 61.6 40.3 74.9



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0



#44

trans-1,3-Dichloropropene

Concen: 0.998 ug/L

RT: 7.89 min Scan# 2088

Delta R.T. 0.01 min

Lab File: VU027866.D

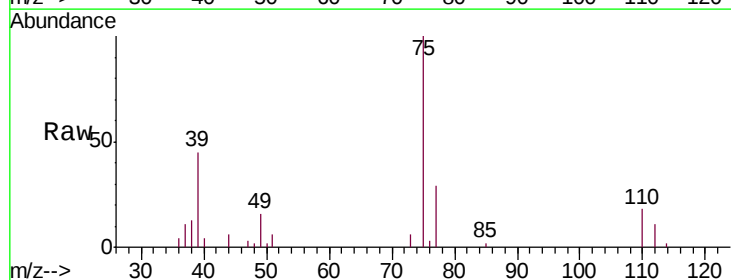
Acq: 30 Oct 2018 11:05

Tgt Ion: 75 Resp: 9661

Ion Ratio Lower Upper

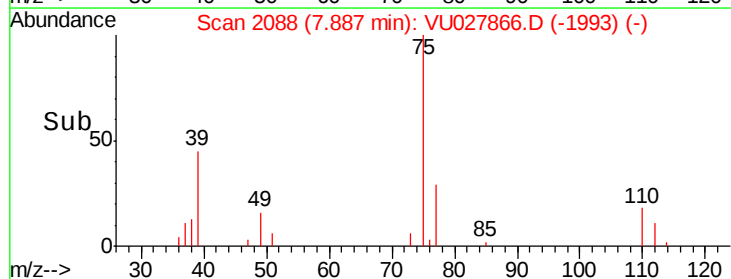
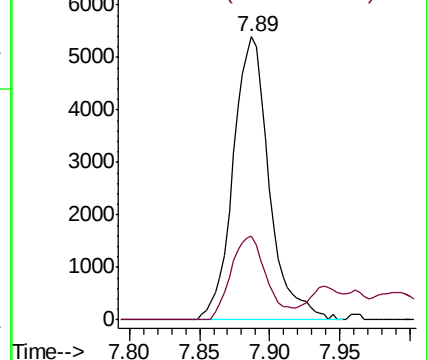
75 100

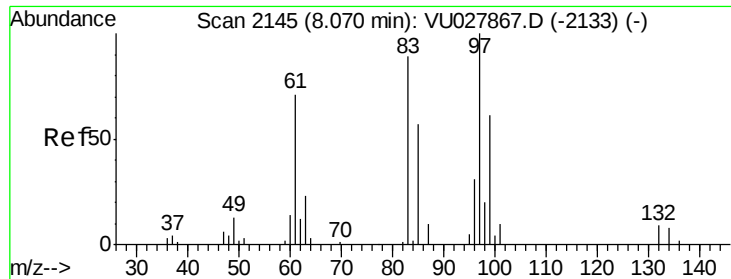
77 29.4 20.5 38.1



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

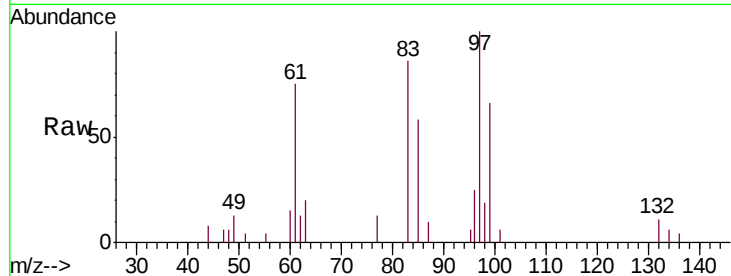




#45
 1,1,2-Trichloroethane
 Concen: 1.012 ug/L
 RT: 8.07 min Scan# 2146
 Delta R.T. 0.00 min
 Lab File: VU027866.D
 Acq: 30 Oct 2018 11:05

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00144

Tgt Ion:	97	Resp:	4900
Ion	Ratio	Lower	Upper
97	100		
99	65.7	42.9	79.7
83	86.3	62.2	115.6
85	58.0	40.2	74.6



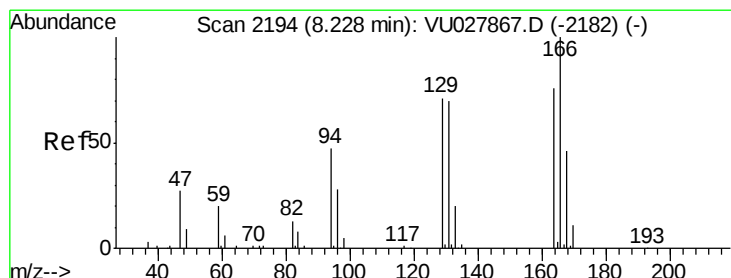
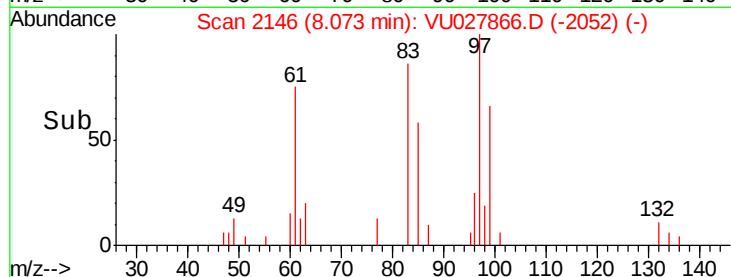
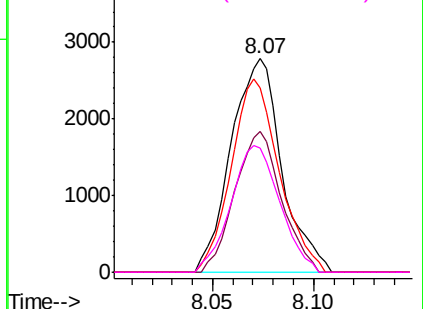
Abundance

Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

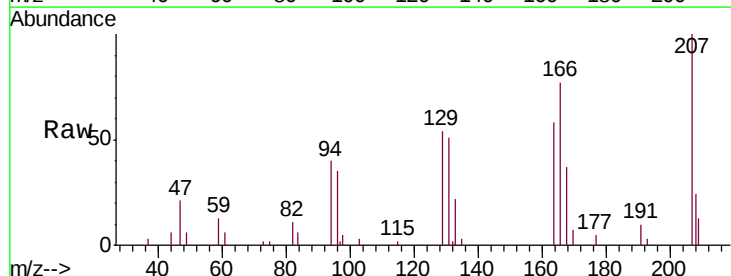
Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



#47
 Tetrachloroethene
 Concen: 0.998 ug/L
 RT: 8.23 min Scan# 2196
 Delta R.T. 0.01 min
 Lab File: VU027866.D
 Acq: 30 Oct 2018 11:05

Tgt Ion:	164	Resp:	5516
Ion	Ratio	Lower	Upper
164	100		
129	93.2	64.9	120.5
131	88.6	64.3	119.5
166	133.0	91.8	170.4



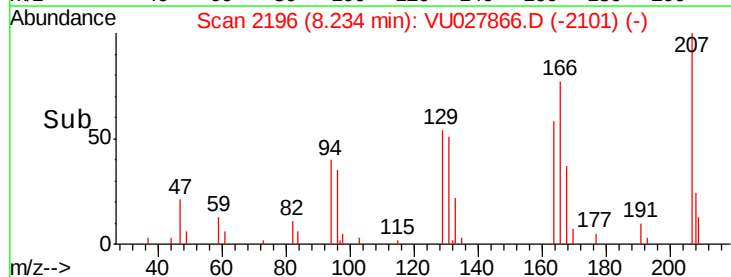
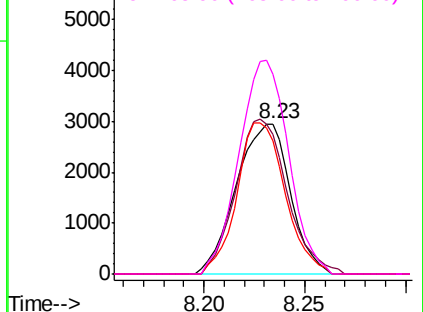
Abundance

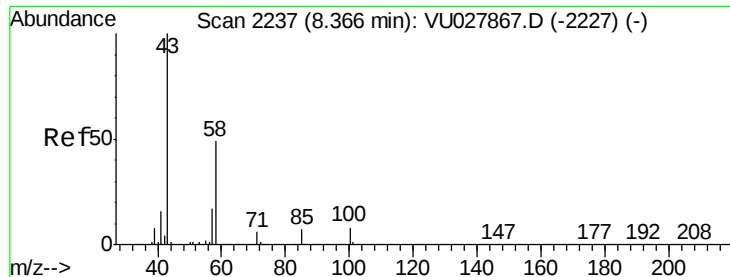
Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

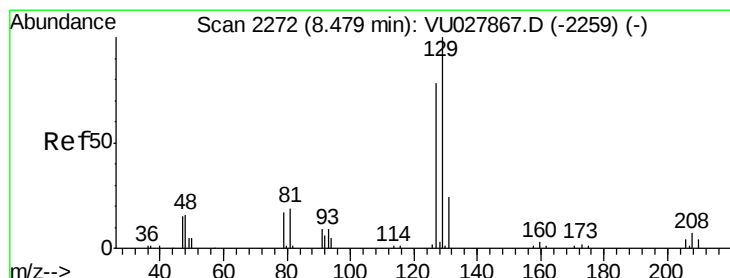
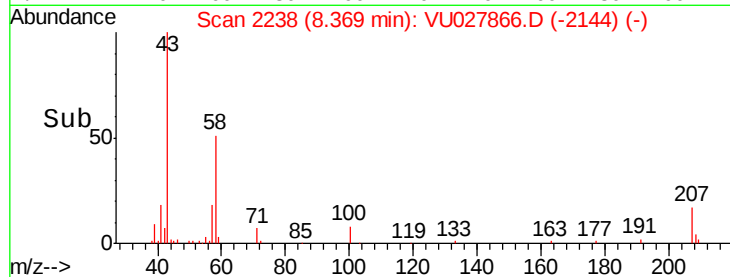
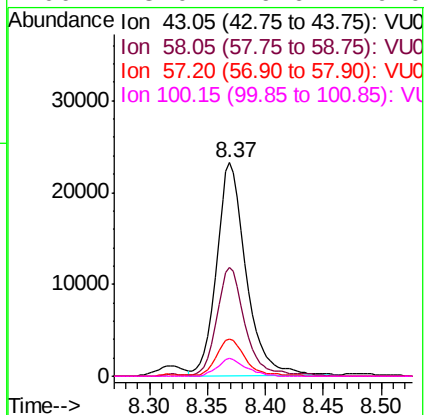
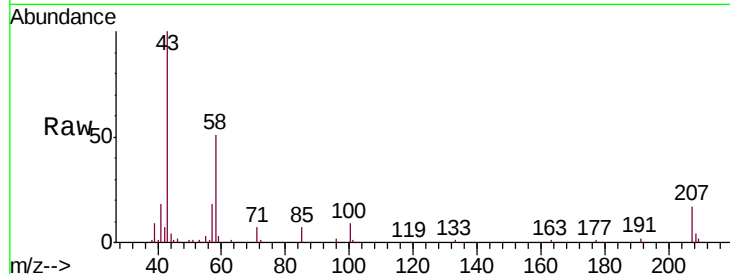




#48
2-Hexanone
Concen: 10.250 ug/L
RT: 8.37 min Scan# 2238
Delta R.T. 0.00 min
Lab File: VU027866.D
Acq: 30 Oct 2018 11:05

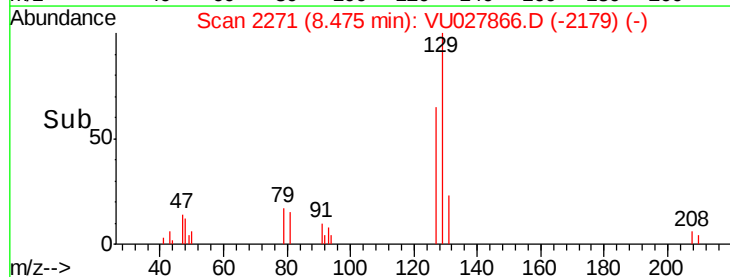
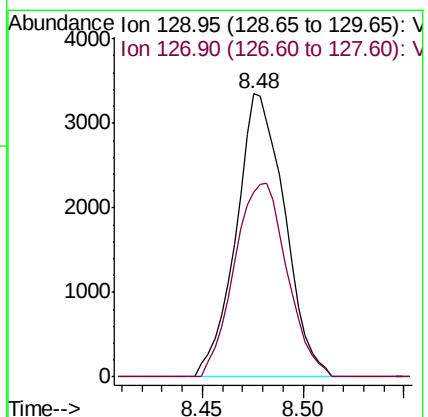
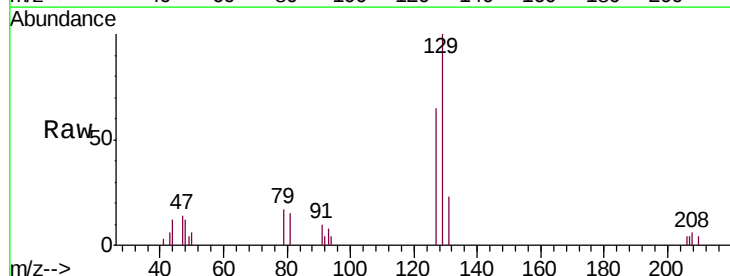
Instrument :
MSVOA_U
ClientSampleId :
VSTD00144

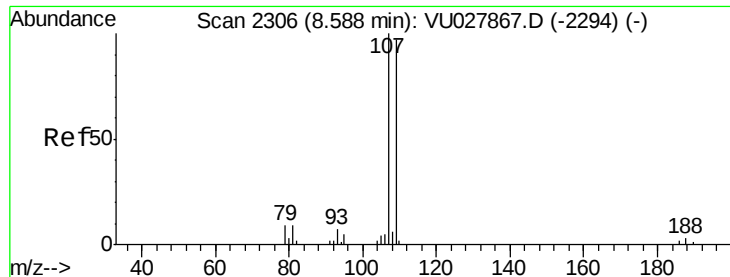
Tgt Ion: 43 Resp: 41088
Ion Ratio Lower Upper
43 100
58 47.1 38.9 58.3
57 17.4 13.3 19.9
100 8.0 6.6 10.0



#49
Dibromochloromethane
Concen: 0.966 ug/L
RT: 8.48 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VU027866.D
Acq: 30 Oct 2018 11:05

Tgt Ion: 129 Resp: 5648
Ion Ratio Lower Upper
129 100
127 65.5 54.5 101.1

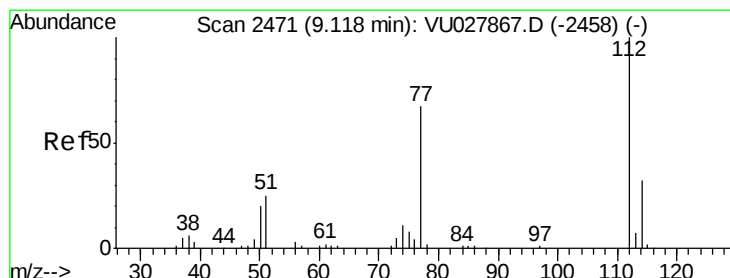
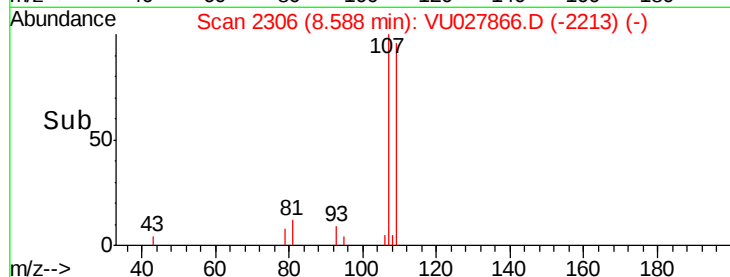
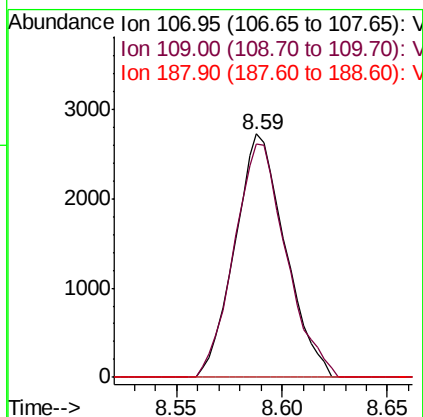
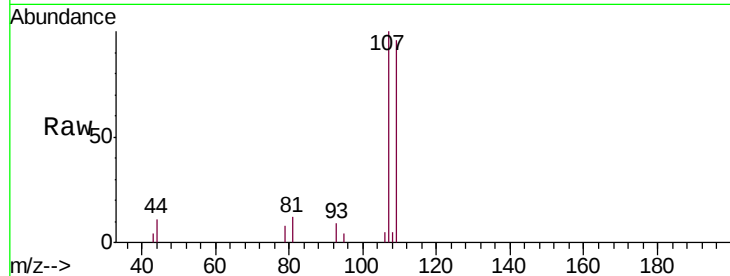




#50
1,2-Dibromoethane
Concen: 0.973 ug/L
RT: 8.59 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VU027866.D
Acq: 30 Oct 2018 11:05

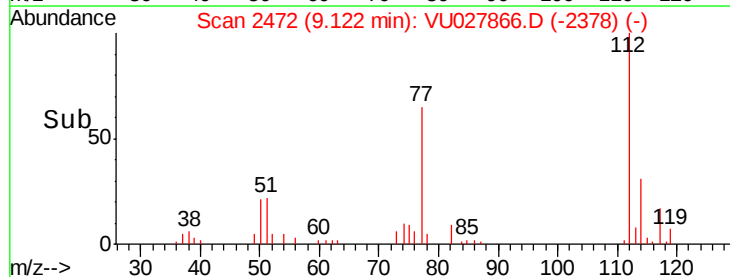
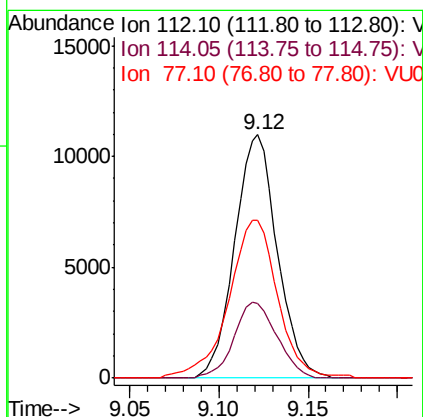
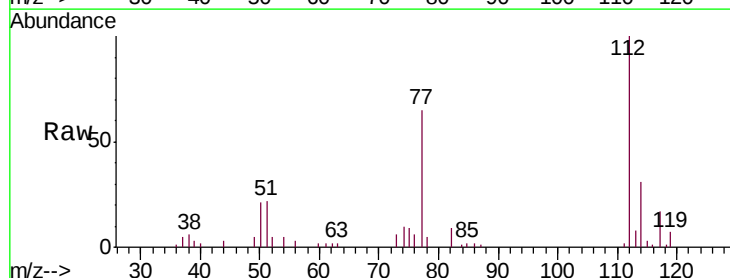
Instrument :
MSVOA_U
ClientSampleId :
VSTD00144

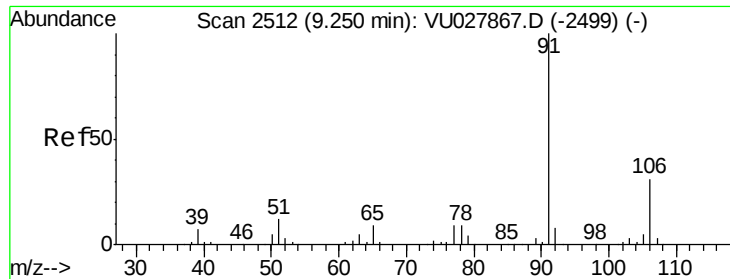
Tgt Ion:107 Resp: 4509
Ion Ratio Lower Upper
107 100
109 95.6 68.0 126.4
188 0.0 2.7 4.1#



#51
Chlorobenzene
Concen: 1.020 ug/L
RT: 9.12 min Scan# 2472
Delta R.T. 0.00 min
Lab File: VU027866.D
Acq: 30 Oct 2018 11:05

Tgt Ion:112 Resp: 18297
Ion Ratio Lower Upper
112 100
114 30.7 22.0 41.0
77 64.8 54.3 81.5





#52

Ethylbenzene

Concen: 0.976 ug/L

RT: 9.25 min Scan# 2512

Delta R.T. 0.00 min

Lab File: VU027866.D

Acq: 30 Oct 2018 11:05

Instrument :

MSVOA_U

ClientSampleId :

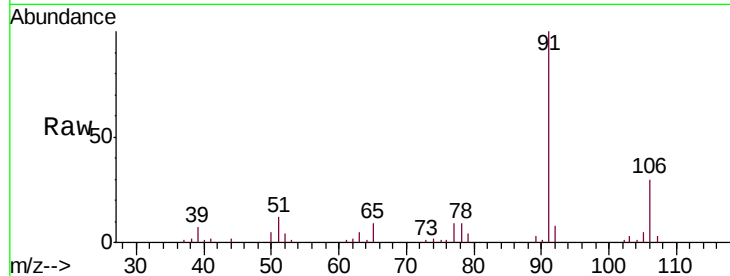
VSTD00144

Tgt Ion: 91 Resp: 32167

Ion Ratio Lower Upper

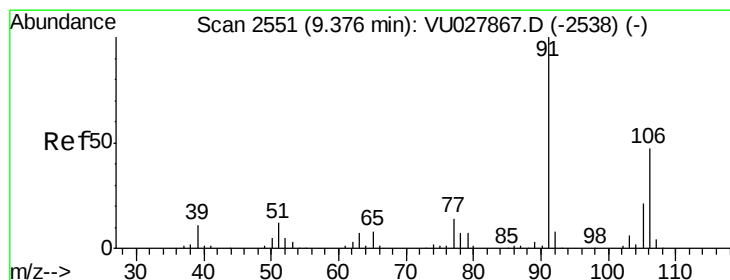
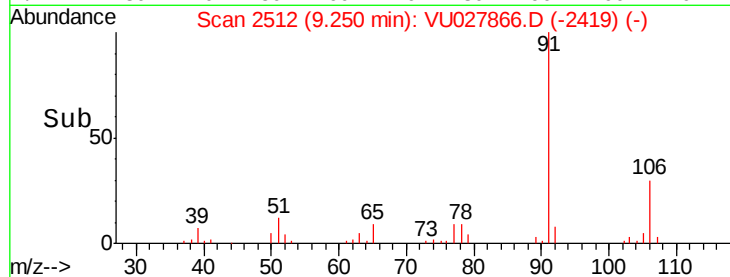
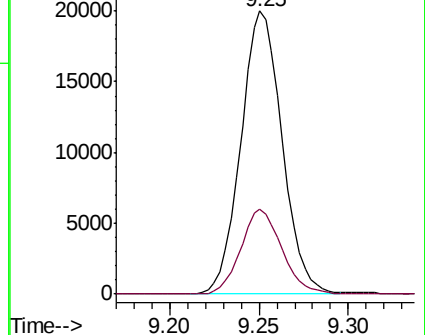
91 100

106 30.2 21.5 39.9



Abundance Ion 91.15 (90.85 to 91.85): VU027866.D (-2419) (-)

Ion 106.15 (105.85 to 106.85): VU027866.D (-2419) (-)



#53

m,p-xylene

Concen: 0.978 ug/L

RT: 9.38 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VU027866.D

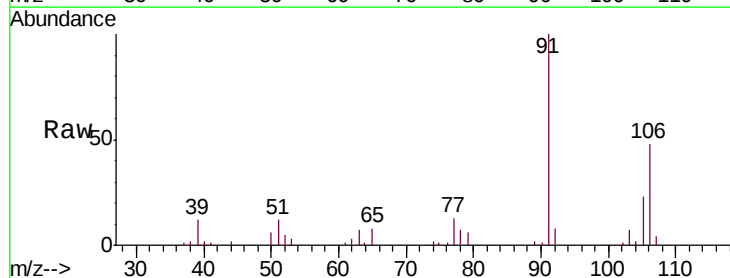
Acq: 30 Oct 2018 11:05

Tgt Ion: 106 Resp: 11686

Ion Ratio Lower Upper

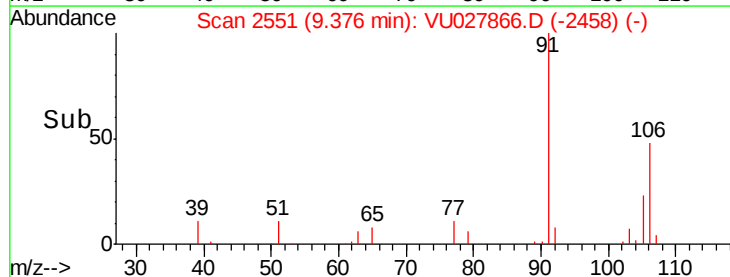
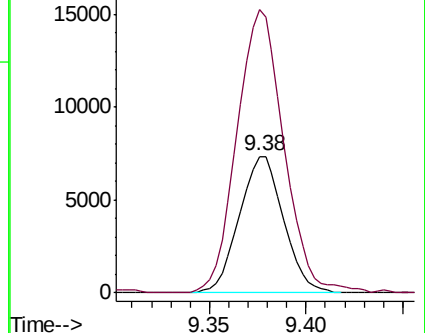
106 100

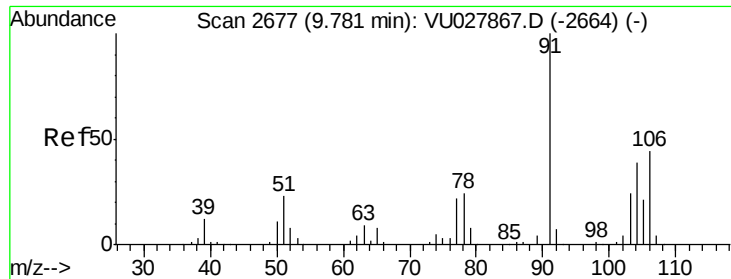
91 207.8 148.7 276.1



Abundance Ion 106.15 (105.85 to 106.85): VU027866.D (-2458) (-)

Ion 91.15 (90.85 to 91.85): VU027866.D (-2458) (-)





#54

o-xylene

Concen: 1.020 ug/L

RT: 9.78 min Scan# 2676

Delta R.T. -0.00 min

Lab File: VU027866.D

Acq: 30 Oct 2018 11:05

Instrument :

MSVOA_U

ClientSampleId :

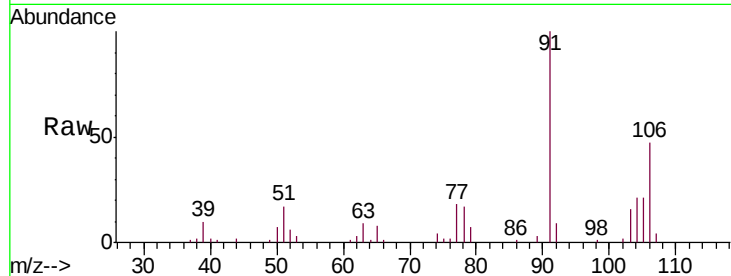
VSTD00144

Tgt Ion:106 Resp: 11970

Ion Ratio Lower Upper

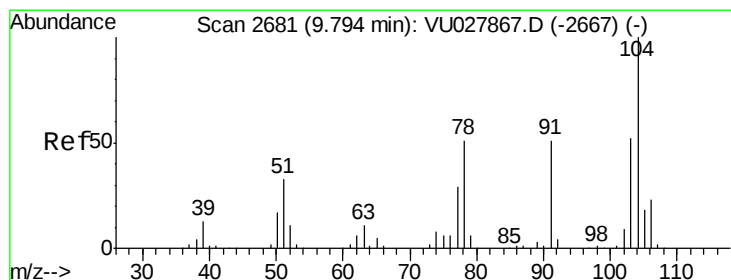
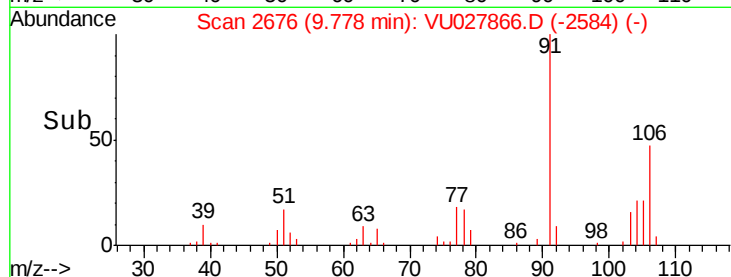
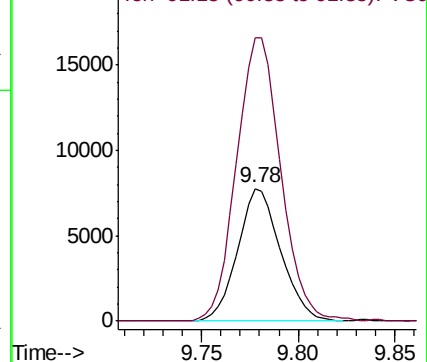
106 100

91 212.8 158.3 293.9



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#55

Styrene

Concen: 1.006 ug/L

RT: 9.79 min Scan# 2681

Delta R.T. 0.00 min

Lab File: VU027866.D

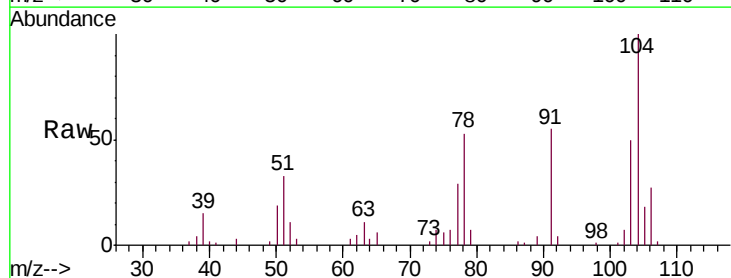
Acq: 30 Oct 2018 11:05

Tgt Ion:104 Resp: 19792

Ion Ratio Lower Upper

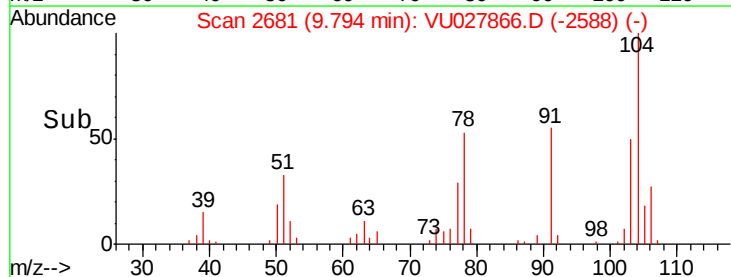
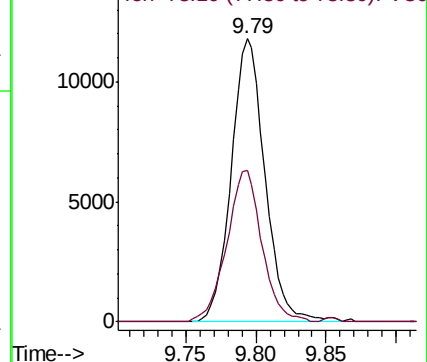
104 100

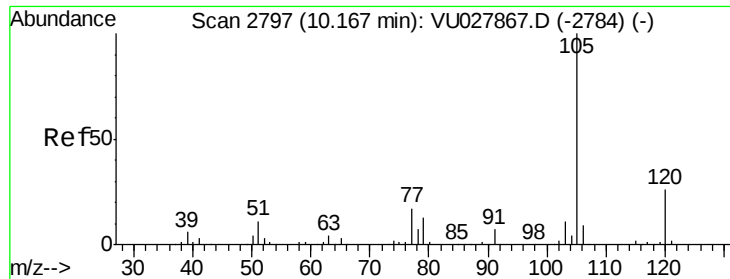
78 53.3 35.6 66.0



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 0.982 ug/L

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU027866.D

Acq: 30 Oct 2018 11:05

Instrument :

MSVOA_U

ClientSampleId :

VSTD00144

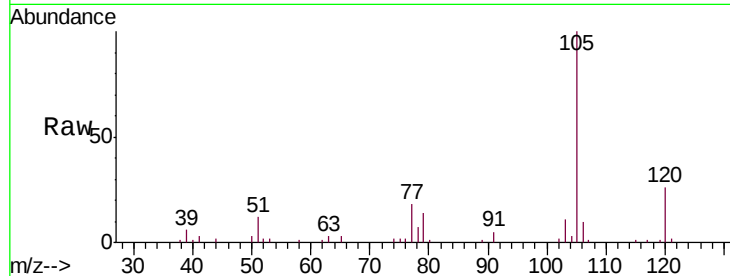
Tgt Ion: 105 Resp: 31392

Ion Ratio Lower Upper

105 100

120 26.7 20.2 30.2

77 17.8 13.4 20.2

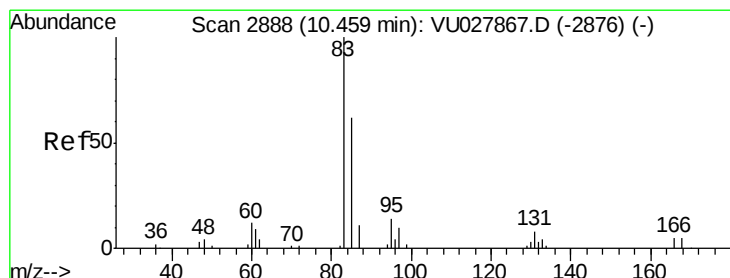
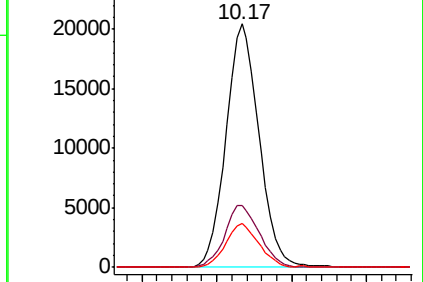
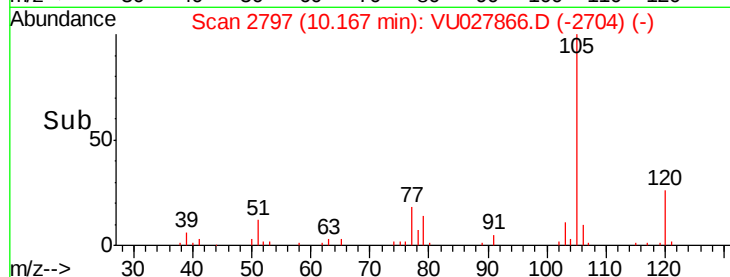


Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V

Time-->



#58

1,1,2,2-Tetrachloroethane

Concen: 0.918 ug/L

RT: 10.46 min Scan# 2887

Delta R.T. -0.00 min

Lab File: VU027866.D

Acq: 30 Oct 2018 11:05

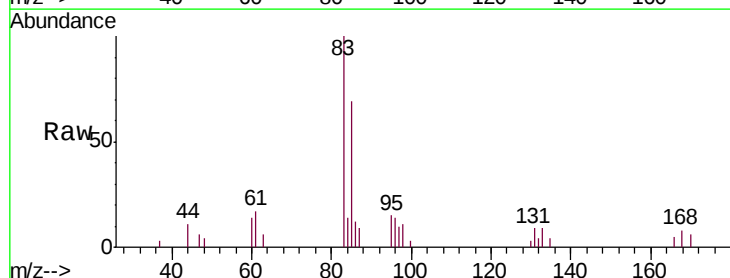
Tgt Ion: 83 Resp: 5798

Ion Ratio Lower Upper

83 100

85 69.4 44.4 82.4

131 8.8 6.8 10.2

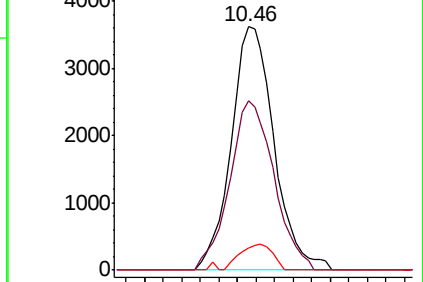
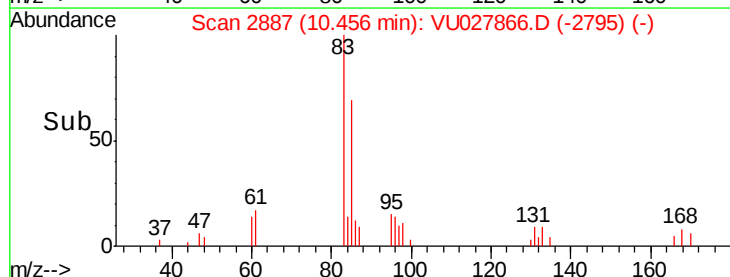


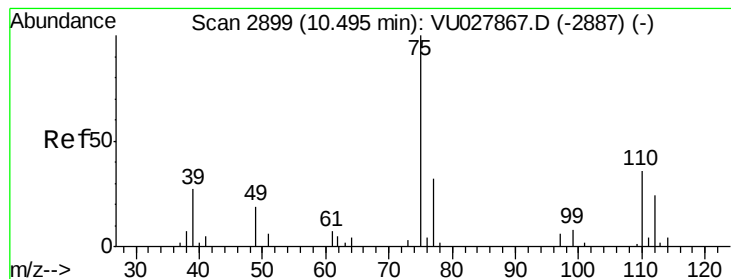
Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

Time-->





#59

1,2,3-Trichloropropane

Concen: 1.079 ug/L

RT: 10.49 min Scan# 2899

Delta R.T. 0.00 min

Lab File: VU027866.D

Acq: 30 Oct 2018 11:05

Instrument :

MSVOA_U

ClientSampleId :

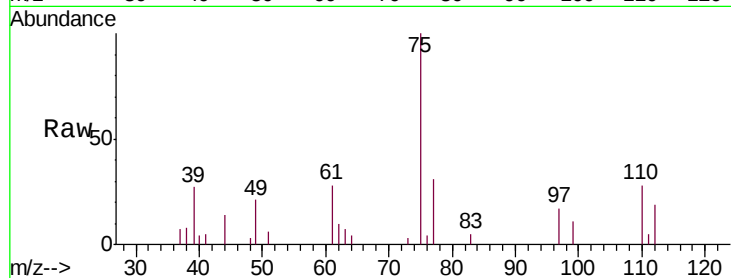
VSTD00144

Tgt Ion: 75 Resp: 5147

Ion Ratio Lower Upper

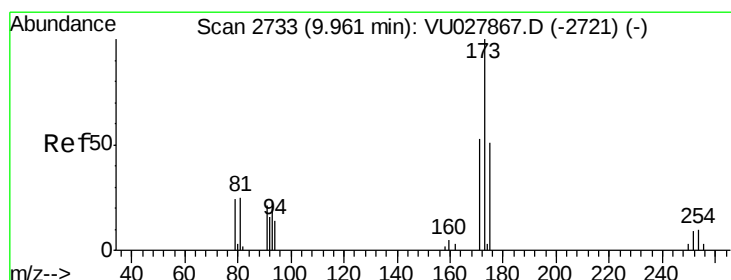
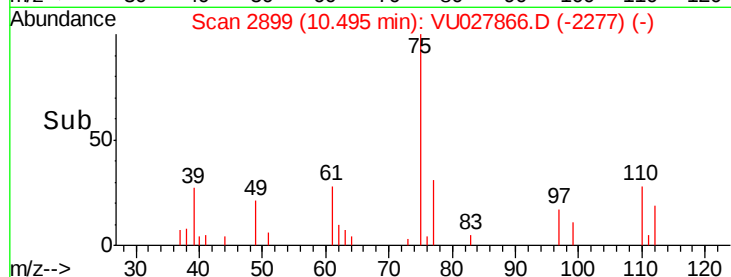
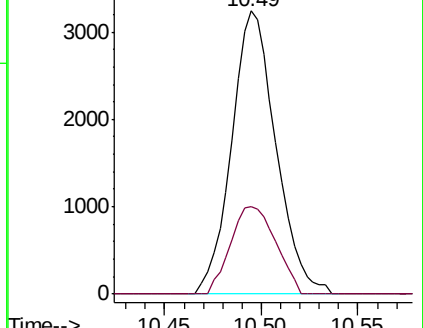
75 100

77 31.5 25.8 38.6



Abundance Ion 75.00 (74.70 to 75.70): VU027867.D (-2887) (-)

Ion 77.00 (76.70 to 77.70): VU027867.D (-2887) (-)



#61

Bromoform

Concen: 0.929 ug/L

RT: 9.96 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU027866.D

Acq: 30 Oct 2018 11:05

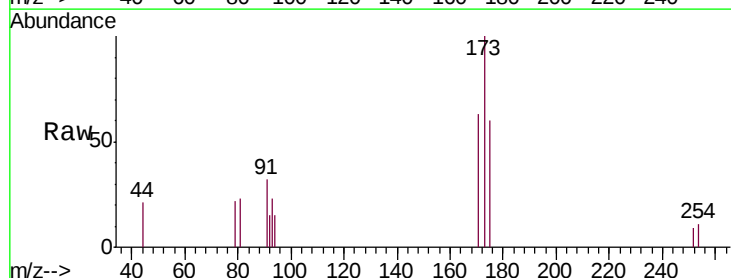
Tgt Ion: 173 Resp: 3015

Ion Ratio Lower Upper

173 100

175 53.5 38.3 57.5

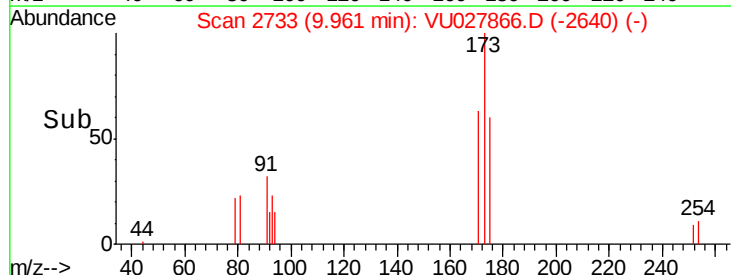
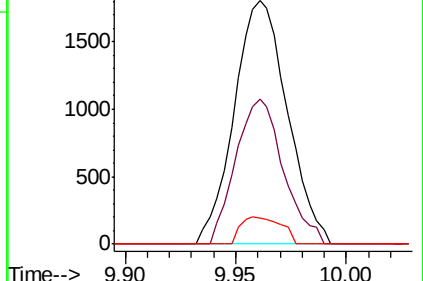
254 8.4 7.8 11.6

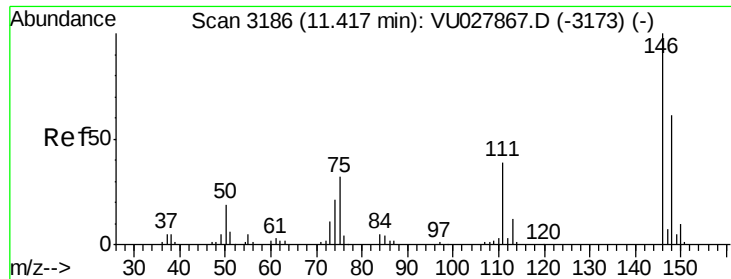


Abundance Ion 172.90 (172.60 to 173.60): VU027867.D (-2721) (-)

Ion 174.90 (174.60 to 175.60): VU027867.D (-2721) (-)

Ion 253.75 (253.45 to 254.45): VU027867.D (-2721) (-)





#62

1,3-Dichlorobenzene

Concen: 1.022 ug/L

RT: 11.42 min Scan# 3187

Delta R.T. 0.00 min

Lab File: VU027866.D

Acq: 30 Oct 2018 11:05

Instrument :

MSVOA_U

ClientSampleId :

VSTD00144

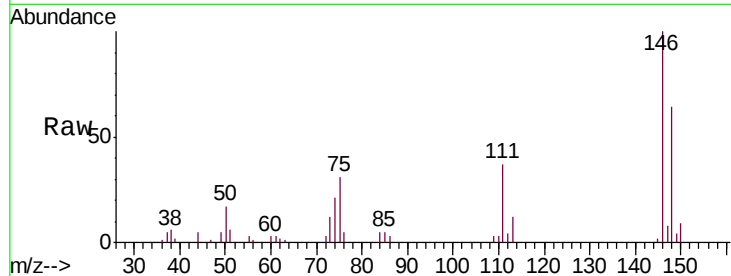
Tgt Ion:146 Resp: 14494

Ion Ratio Lower Upper

146 100

111 36.6 27.4 51.0

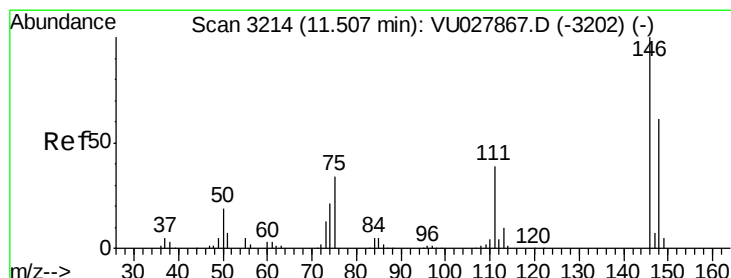
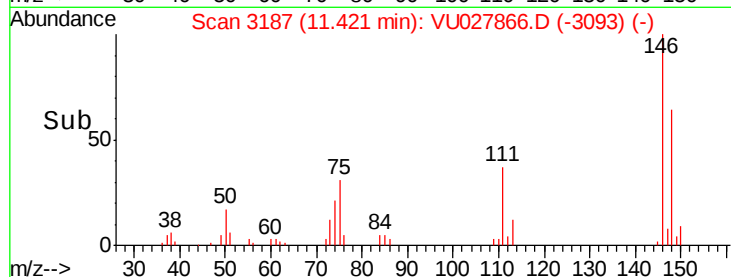
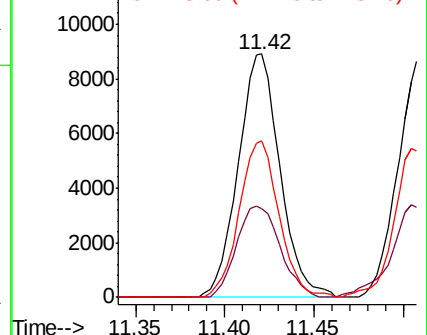
148 64.4 42.6 79.0



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 0.999 ug/L

RT: 11.51 min Scan# 3214

Delta R.T. 0.00 min

Lab File: VU027866.D

Acq: 30 Oct 2018 11:05

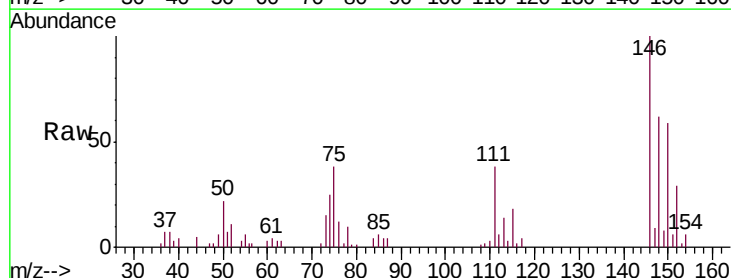
Tgt Ion:146 Resp: 14157

Ion Ratio Lower Upper

146 100

111 38.2 27.4 51.0

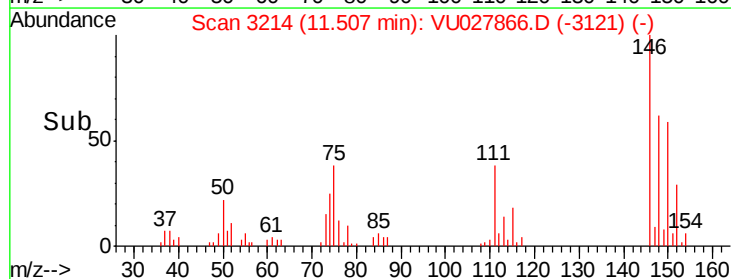
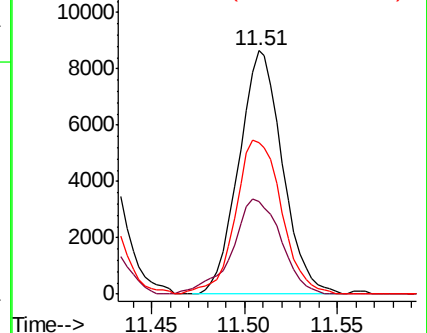
148 62.2 43.1 80.1

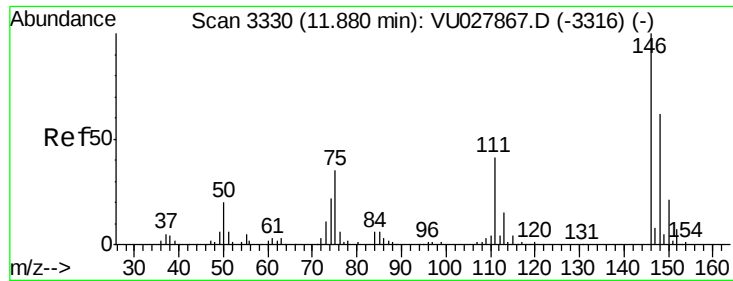


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

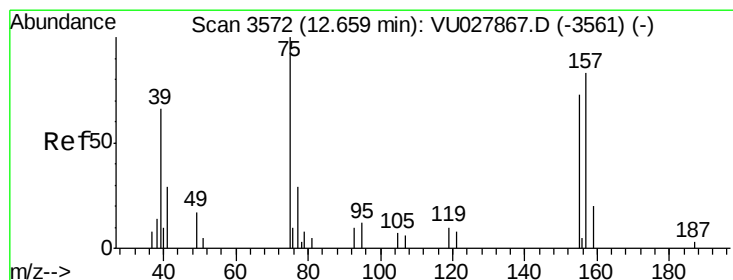
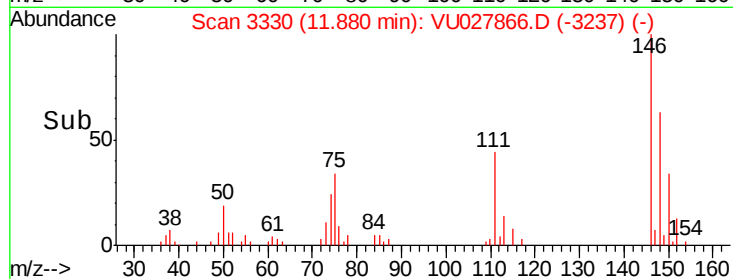
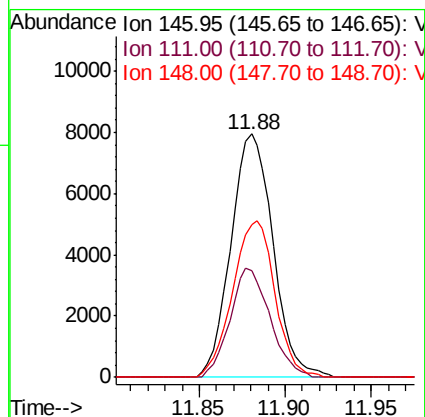
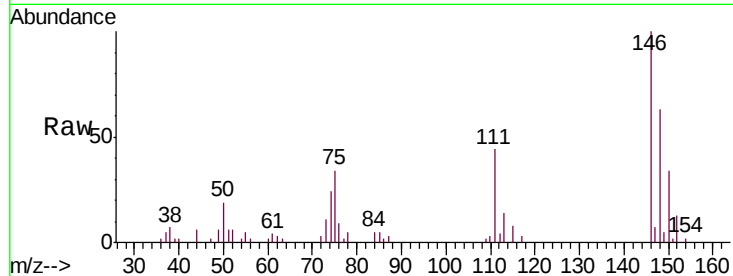




#65
 1,2-Dichlorobenzene
 Concen: 1.014 ug/L
 RT: 11.88 min Scan# 3330
 Delta R.T. 0.00 min
 Lab File: VU027866.D
 Acq: 30 Oct 2018 11:05

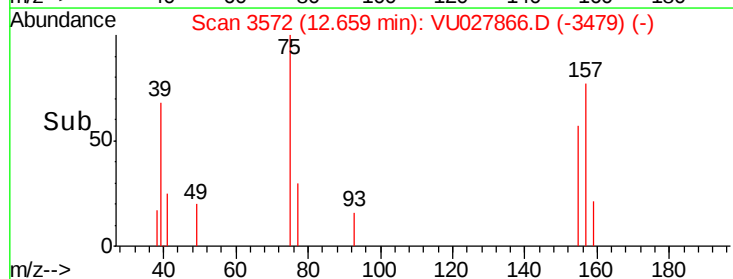
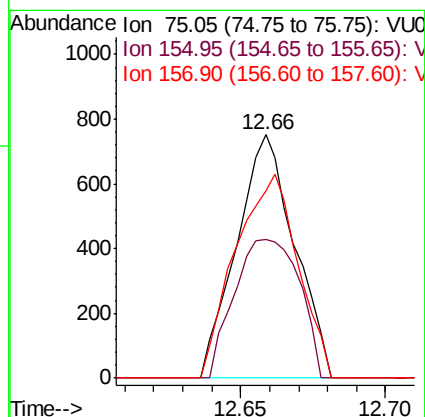
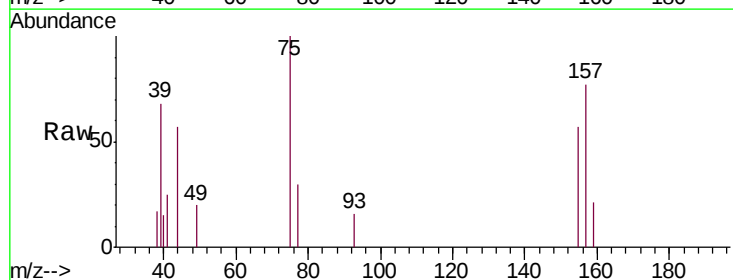
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00144

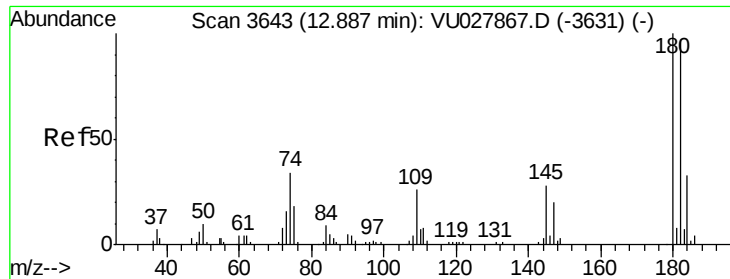
Tgt Ion: 146 Resp: 13578
 Ion Ratio Lower Upper
 146 100
 111 43.6 33.0 49.4
 148 62.8 49.2 73.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 0.992 ug/L
 RT: 12.66 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VU027866.D
 Acq: 30 Oct 2018 11:05

Tgt Ion: 75 Resp: 1041
 Ion Ratio Lower Upper
 75 100
 155 57.0 58.6 87.8#
 157 76.9 66.7 100.1

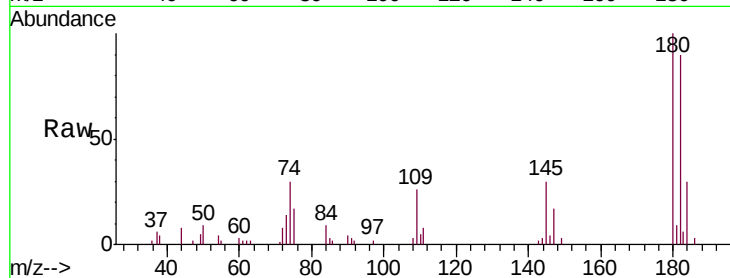




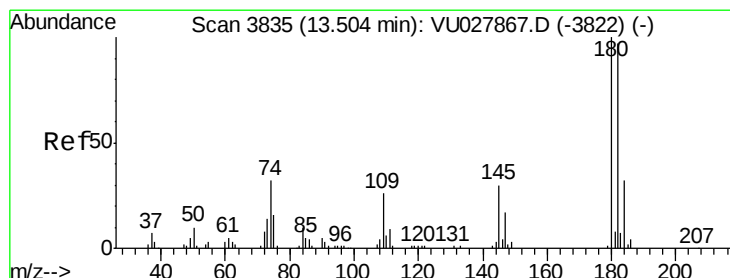
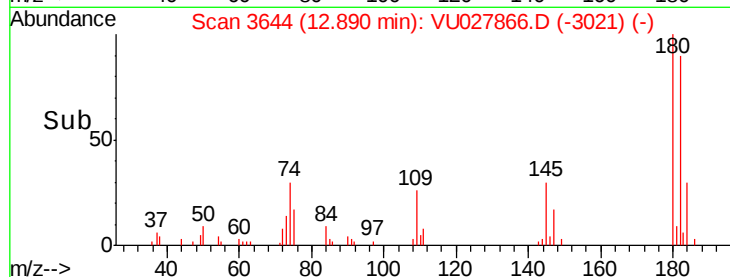
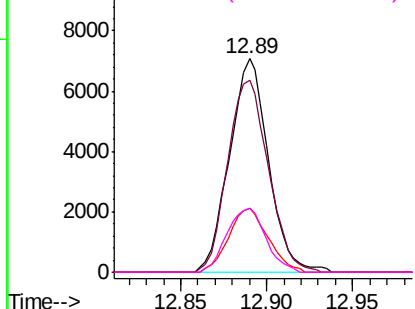
#67
 1,3,5-Trichlorobenzene
 Concen: 0.978 ug/L
 RT: 12.89 min Scan# 3644
 Delta R.T. 0.00 min
 Lab File: VU027866.D
 Acq: 30 Oct 2018 11:05

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00144

Tgt Ion:180 Resp: 11159
 Ion Ratio Lower Upper
 180 100
 182 94.1 77.3 115.9
 184 30.4 24.6 37.0
 145 29.9 23.0 34.6

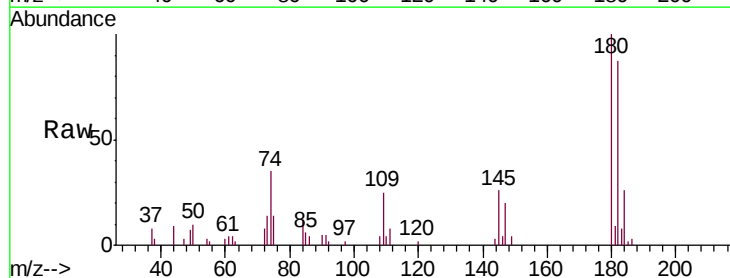


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

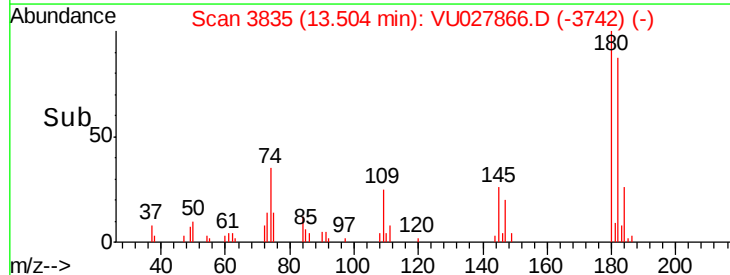
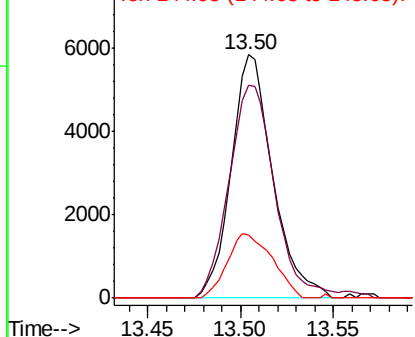


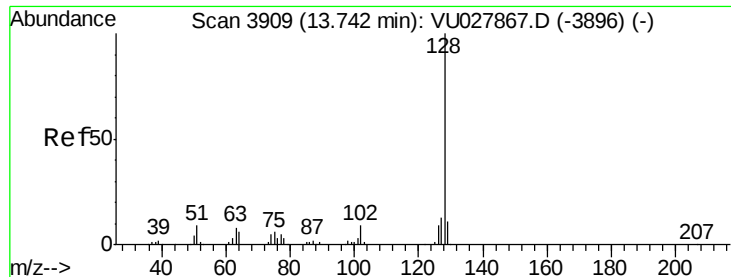
#68
 1,2,4-trichlorobenzene
 Concen: 0.939 ug/L
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.00 min
 Lab File: VU027866.D
 Acq: 30 Oct 2018 11:05

Tgt Ion:180 Resp: 9119
 Ion Ratio Lower Upper
 180 100
 182 95.6 77.8 116.6
 145 28.6 22.9 34.3



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 0.937 ug/L

RT: 13.75 min Scan# 3910

Delta R.T. 0.00 min

Lab File: VU027866.D

Acq: 30 Oct 2018 11:05

Instrument :

MSVOA_U

ClientSampled :

VSTD00144

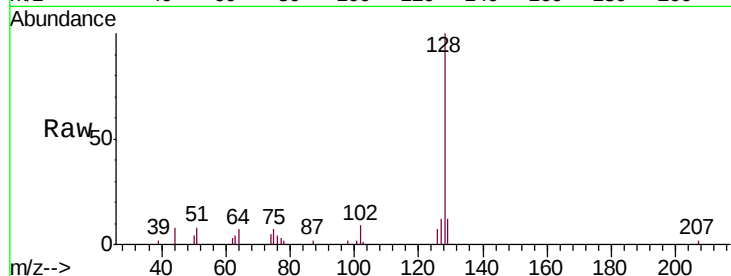
Tgt Ion:128 Resp: 14144

Ion Ratio Lower Upper

128 100

129 11.1 8.6 12.8

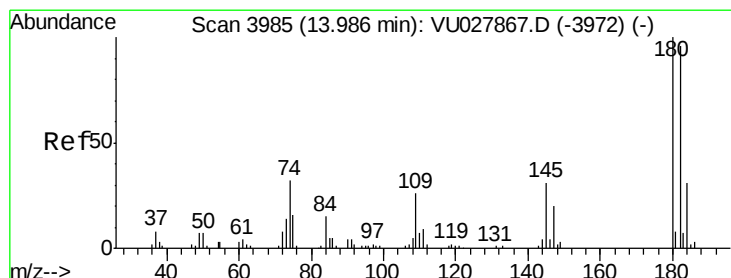
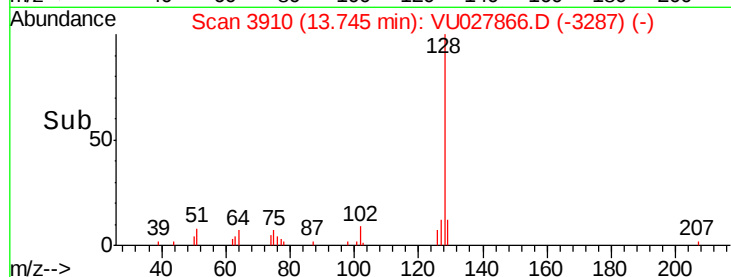
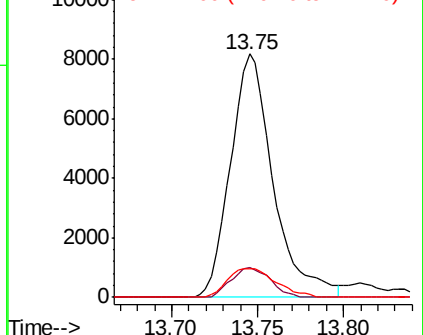
127 13.4 10.5 15.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 0.985 ug/L

RT: 13.99 min Scan# 3985

Delta R.T. 0.00 min

Lab File: VU027866.D

Acq: 30 Oct 2018 11:05

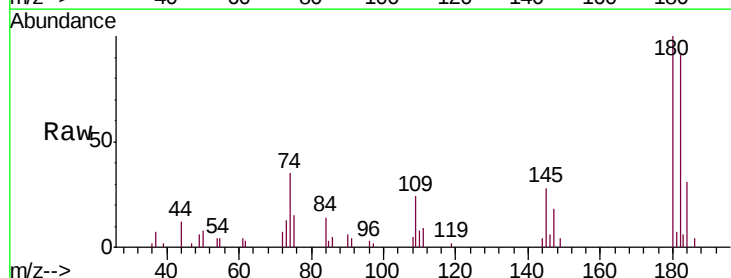
Tgt Ion:180 Resp: 8710

Ion Ratio Lower Upper

180 100

182 94.8 79.4 119.0

145 28.6 25.4 38.0



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

