

Data File : VU027771.D
Acq On : 24 Oct 2018 08:58
Operator : MD/SY
Sample : VSTD00143
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00143

Quant Time: Oct 25 04:15:24 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102418WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Oct 25 04:12:10 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	40560	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	39551	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	19643	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	3444	1.04	ug/L	0.00
7) Chloroethane-d5	1.68	69	2555	1.02	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.28	63	6269	0.99	ug/L	0.00
20) 2-Butanone-d5	4.22	46	10046	9.99	ug/L	0.02
24) Chloroform-d	4.66	84	5687	0.96	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	3513	1.00	ug/L	0.00
32) Benzene-d6	5.35	84	10383	0.98	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.33	67	3584	0.96	ug/L	0.00
41) Toluene-d8	7.57	98	9903	0.98	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	1457	0.96	ug/L	0.00
46) 2-Hexanone-d5	8.32	63	8062	9.62	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.43	84	2815	0.99	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	3609	0.98	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	3818	0.971 ug/L	95
3) Chloromethane	1.33	50	4490	1.017 ug/L	98
5) Vinyl chloride	1.41	62	4204	0.989 ug/L	97
6) Bromomethane	1.64	94	2222	1.020 ug/L	89
8) Chloroethane	1.70	64	2158	0.939 ug/L #	81
9) Trichlorofluoromethane	1.89	101	5839	1.039 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	2957	1.042 ug/L	97
12) 1,1-Dichloroethene	2.29	96	2588	0.979 ug/L	80
13) Acetone	2.36	43	7805	10.770 ug/L	95
14) Carbon disulfide	2.48	76	8944	0.985 ug/L	96
15) Methyl Acetate	2.63	43	2231	1.100 ug/L #	72
16) Methylene chloride	2.71	84	3152	1.011 ug/L	93
17) Methyl tert-butyl Ether	3.01	73	8678	1.025 ug/L #	91
18) trans-1,2-Dichloroethene	2.99	96	2936	1.036 ug/L	94
19) 1,1-Dichloroethane	3.45	63	6483	1.035 ug/L	95
21) 2-Butanone	4.30	43	12340	10.378 ug/L	94
22) cis-1,2-Dichloroethene	4.23	96	3307	0.983 ug/L	96
23) Bromochloromethane	4.56	128	1313	0.962 ug/L	97
25) Chloroform	4.68	83	6276	0.995 ug/L	99
27) 1,2-Dichloroethane	5.41	62	4658	1.000 ug/L	99
29) 1,1,1-Trichloroethane	4.92	97	5902	1.037 ug/L	95
30) Cyclohexane	5.00	56	6401	1.005 ug/L #	91
31) Carbon tetrachloride	5.13	117	4976	1.019 ug/L	100
33) Benzene	5.39	78	13529	1.029 ug/L	100
34) Trichloroethene	6.19	95	3410	1.001 ug/L	97
35) Methylcyclohexane	6.42	83	5653	0.993 ug/L	95
37) 1,2-Dichloropropane	6.44	63	3889	1.008 ug/L #	90
38) Bromodichloromethane	6.76	83	4657	1.011 ug/L #	98
39) cis-1,3-Dichloropropene	7.28	75	5411	0.979 ug/L	92
40) 4-Methyl-2-pentanone	7.47	43	28848	9.999 ug/L	98

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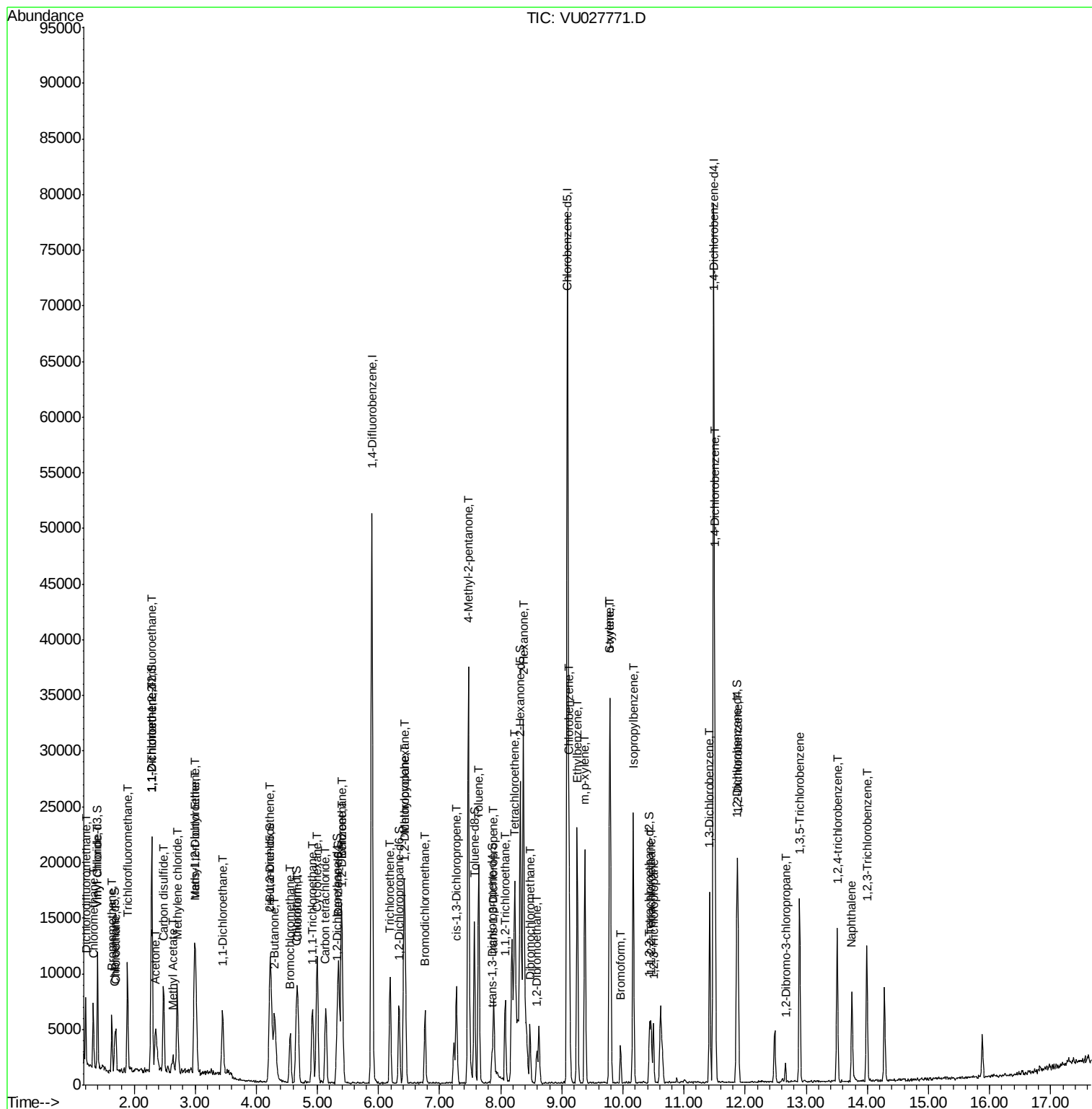
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.64	91	14097	0.996	ug/L	96
44) trans-1,3-Dichloropropene	7.88	75	4541	0.976	ug/L	91
45) 1,1,2-Trichloroethane	8.07	97	2144	0.921	ug/L	94
47) Tetrachloroethene	8.23	164	2831	1.023	ug/L	96
48) 2-Hexanone	8.37	43	20470	9.986	ug/L	99
49) Dibromochloromethane	8.48	129	2734	0.921	ug/L	90
50) 1,2-Dibromoethane	8.59	107	2252	0.995	ug/L #	96
51) Chlorobenzene	9.12	112	8778	1.008	ug/L	97
52) Ethylbenzene	9.25	91	16427	1.001	ug/L	98
53) m,p-xylene	9.38	106	5779	0.994	ug/L	92
54) o-xylene	9.78	106	5712	1.006	ug/L	94
55) Styrene	9.79	104	9404	0.978	ug/L	96
56) Isopropylbenzene	10.17	105	15508	0.986	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.46	83	2911	0.950	ug/L #	97
59) 1,2,3-Trichloropropane	10.49	75	2591	1.066	ug/L	99
61) Bromoform	9.96	173	1500	0.908	ug/L #	93
62) 1,3-Dichlorobenzene	11.42	146	6864	0.994	ug/L	93
63) 1,4-Dichlorobenzene	11.51	146	6863	0.984	ug/L	97
65) 1,2-Dichlorobenzene	11.88	146	6436	0.991	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.66	75	411	0.794	ug/L #	74
67) 1,3,5-Trichlorobenzene	12.89	180	5335	0.963	ug/L	98
68) 1,2,4-trichlorobenzene	13.50	180	4510	0.937	ug/L	95
69) Naphthalene	13.75	128	7355	0.941	ug/L	96
70) 1,2,3-Trichlorobenzene	13.99	180	4160	0.938	ug/L	93

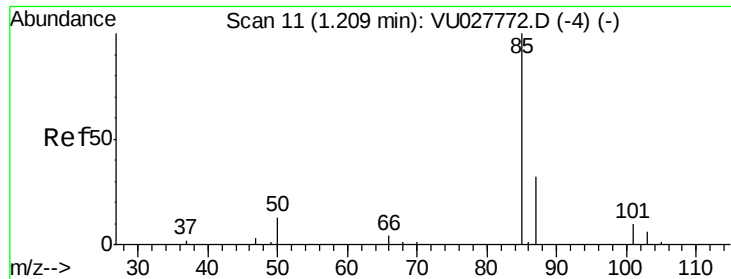
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 0.971 ug/L

RT: 1.21 min Scan# 11

Delta R.T. 0.00 min

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Acq: 24 Oct 2018 08:58

Instrument :

MSVOA_U

ClientSampleId :

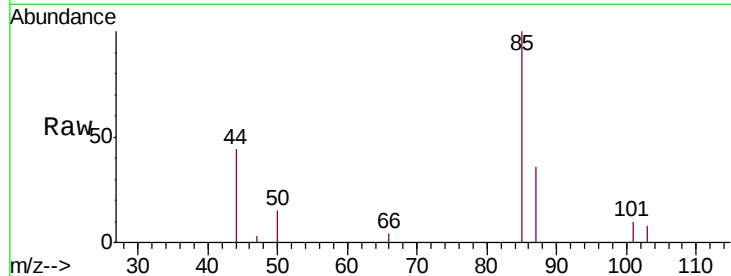
VSTD00143

Tgt Ion: 85 Resp: 3818

Ion Ratio Lower Upper

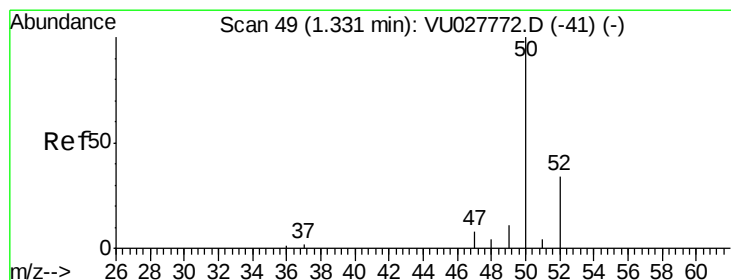
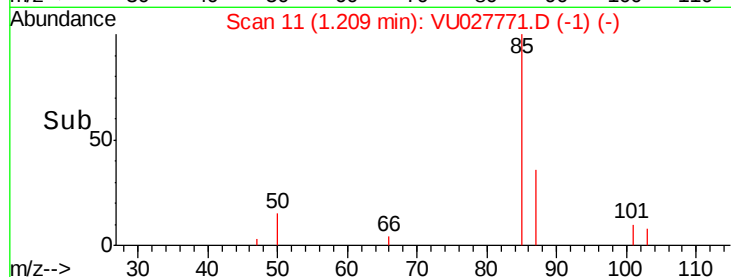
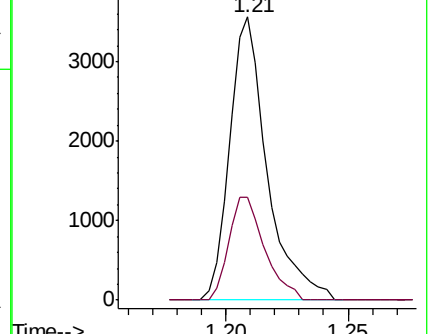
85 100

87 34.7 25.4 38.0



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 1.017 ug/L

RT: 1.33 min Scan# 49

Delta R.T. 0.00 min

Lab File: VU027771.D

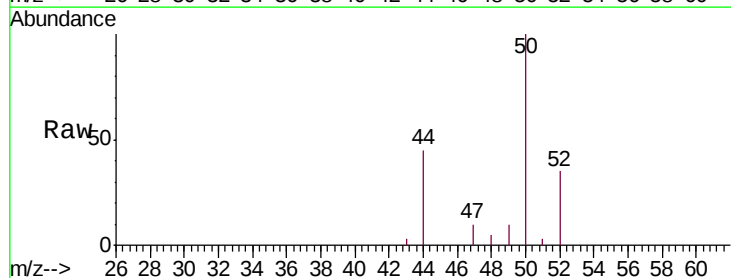
Acq: 24 Oct 2018 08:58

Tgt Ion: 50 Resp: 4490

Ion Ratio Lower Upper

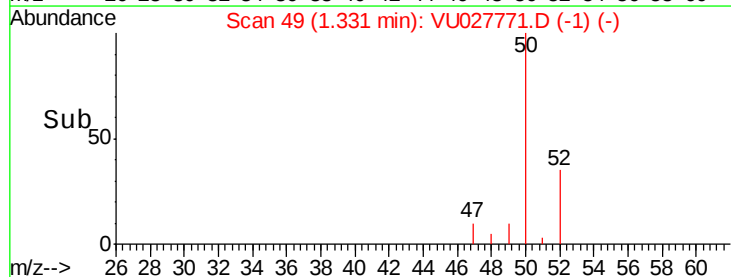
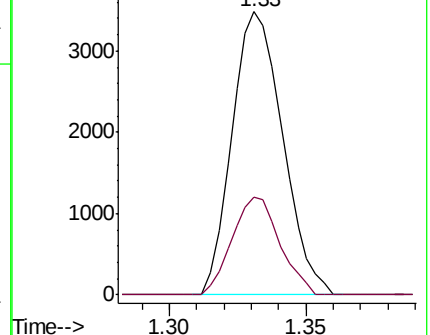
50 100

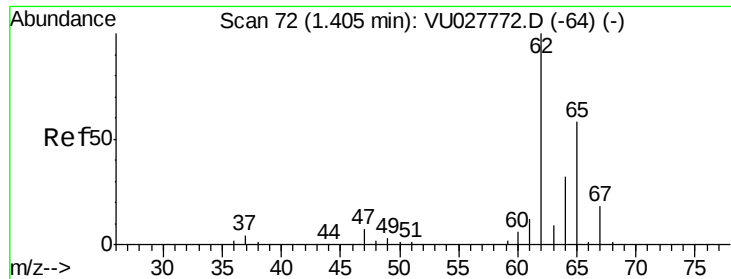
52 34.8 23.7 43.9



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0





#5

Vinyl chloride

Concen: 0.989 ug/L

RT: 1.41 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU027771.D

Acq: 24 Oct 2018 08:58

Instrument :

MSVOA_U

ClientSampleId :

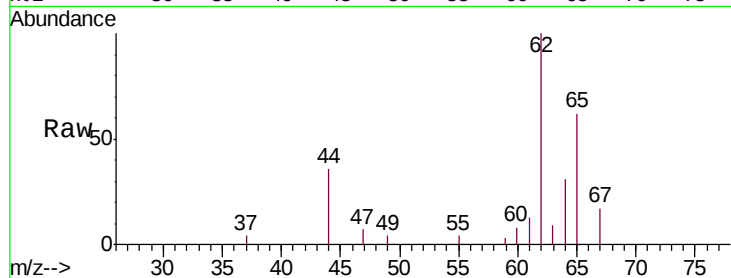
VSTD00143

Tgt Ion: 62 Resp: 4204

Ion Ratio Lower Upper

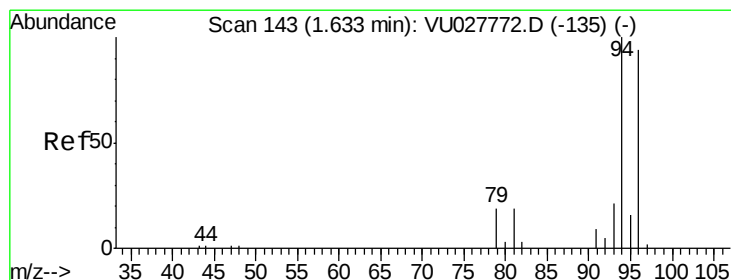
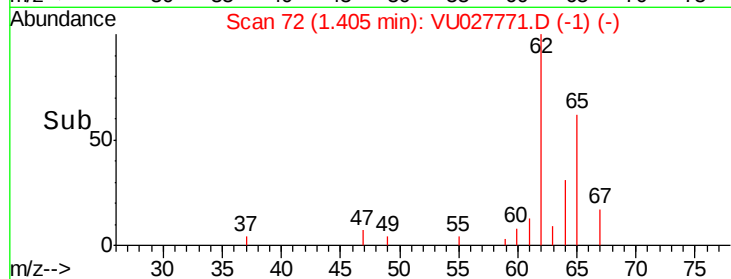
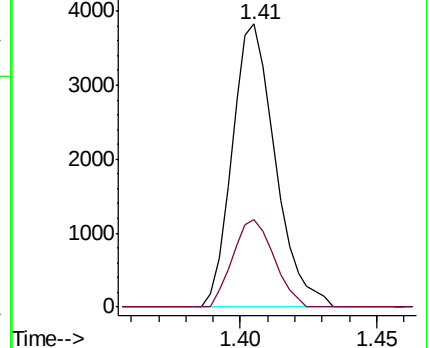
62 100

64 30.8 22.7 42.1



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#6

Bromomethane

Concen: 1.020 ug/L

RT: 1.64 min Scan# 144

Delta R.T. 0.00 min

Lab File: VU027771.D

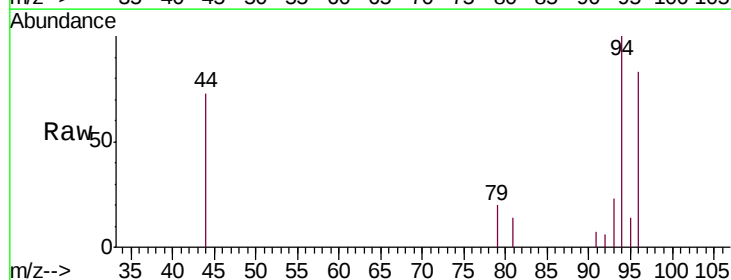
Acq: 24 Oct 2018 08:58

Tgt Ion: 94 Resp: 2222

Ion Ratio Lower Upper

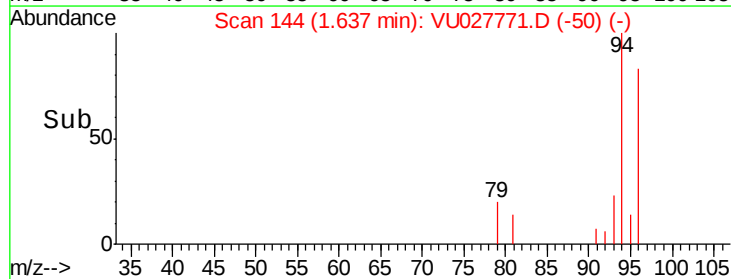
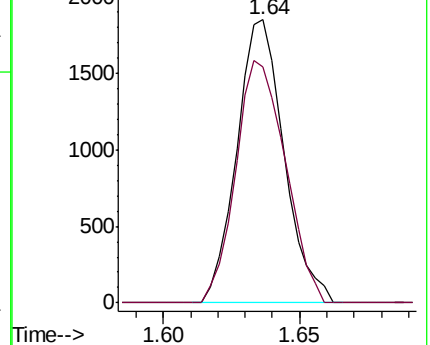
94 100

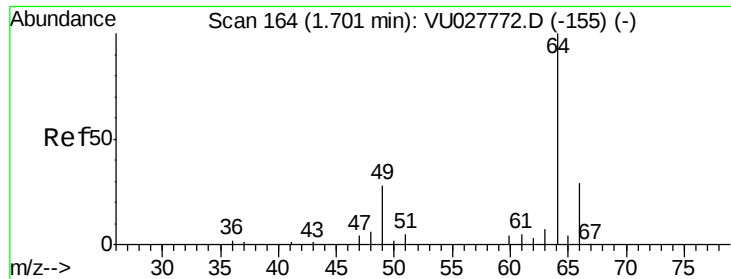
96 83.3 65.5 121.7



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 0.939 ug/L

RT: 1.70 min Scan# 165

Delta R.T. 0.00 min

Lab File: VU027771.D

Acq: 24 Oct 2018 08:58

Instrument :

MSVOA_U

ClientSampleId :

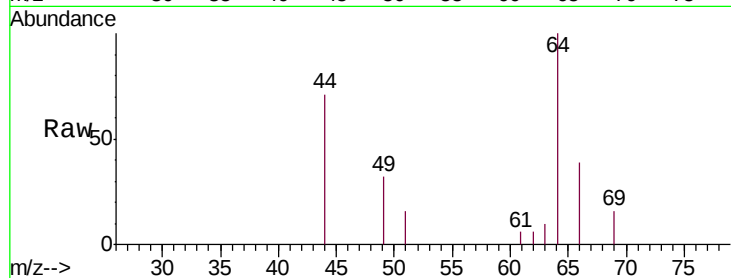
VSTD00143

Tgt Ion: 64 Resp: 2158

Ion Ratio Lower Upper

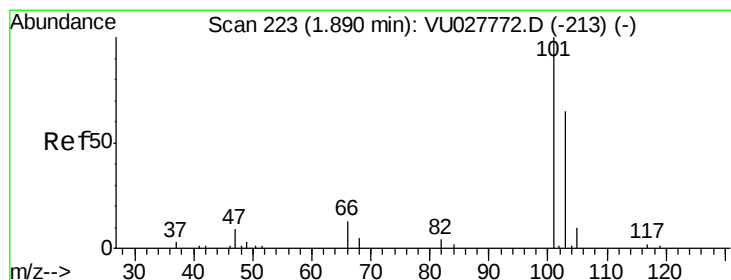
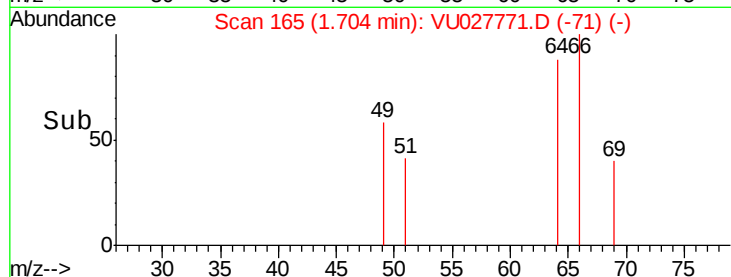
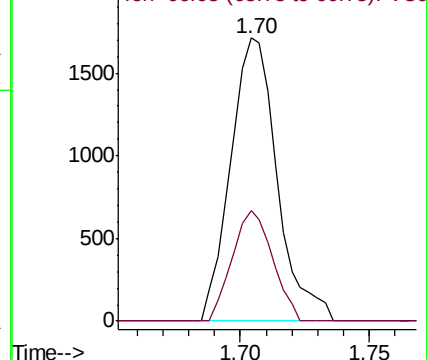
64 100

66 39.3 20.3 37.7#



Abundance Ion 64.10 (63.80 to 64.80): VU0

Ion 66.05 (65.75 to 66.75): VU0



#9

Trichlorofluoromethane

Concen: 1.039 ug/L

RT: 1.89 min Scan# 223

Delta R.T. 0.00 min

Lab File: VU027771.D

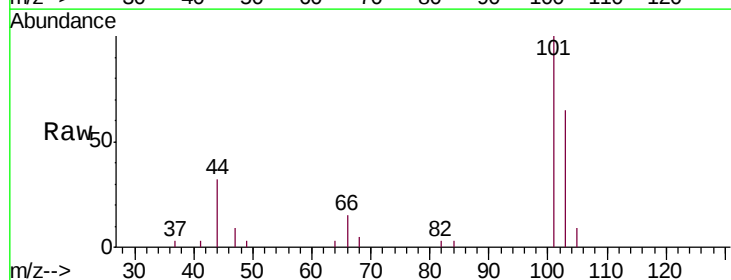
Acq: 24 Oct 2018 08:58

Tgt Ion: 101 Resp: 5839

Ion Ratio Lower Upper

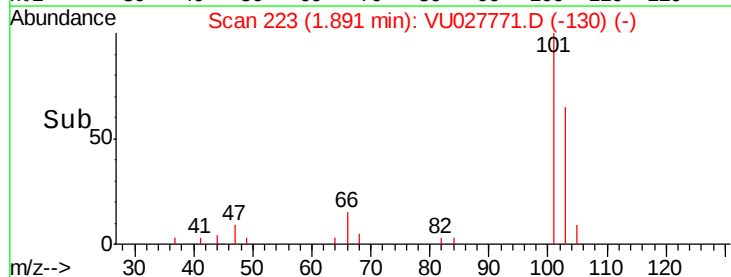
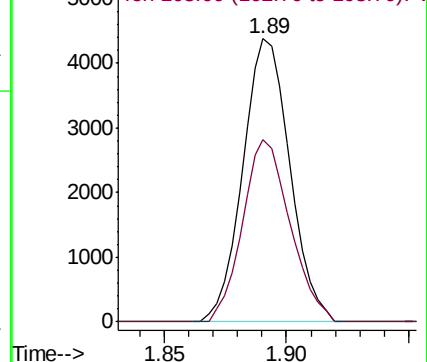
101 100

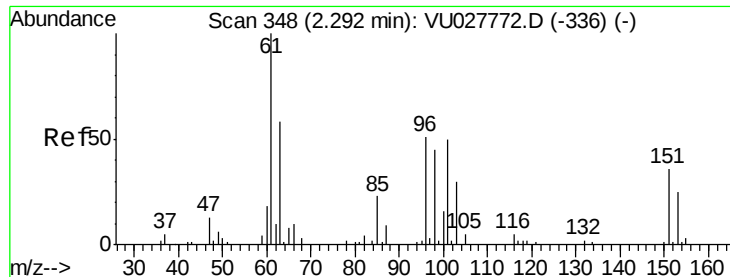
103 65.0 51.0 76.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#10

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

Concen: 1.042 ug/L

RT: 2.29 min Scan# 348

Delta R.T. 0.00 min

Lab File: VU027771.D

Acq: 24 Oct 2018 08:58

Instrument :

MSVOA_U

ClientSampleId :

VSTD00143

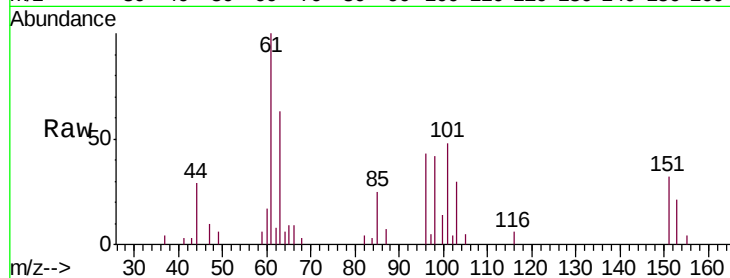
Tgt Ion: 101 Resp: 2957

Ion Ratio Lower Upper

101 100

85 48.9 38.1 57.1

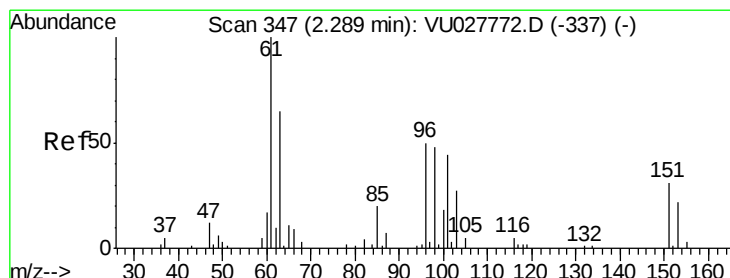
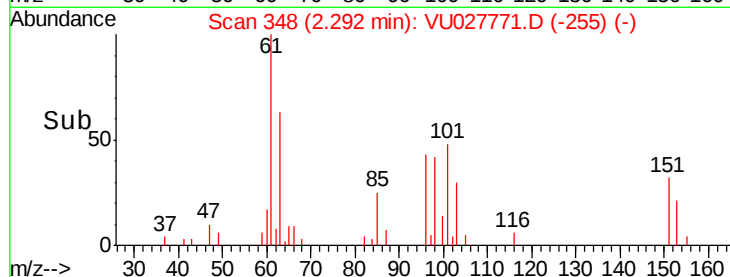
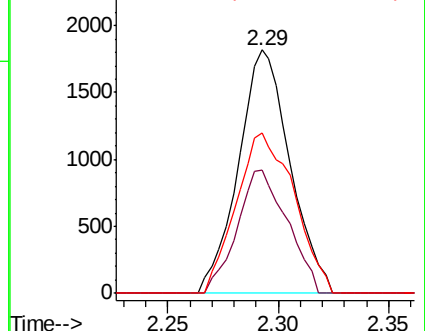
151 74.0 57.0 85.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 0.979 ug/L

RT: 2.29 min Scan# 347

Delta R.T. 0.00 min

Lab File: VU027771.D

Acq: 24 Oct 2018 08:58

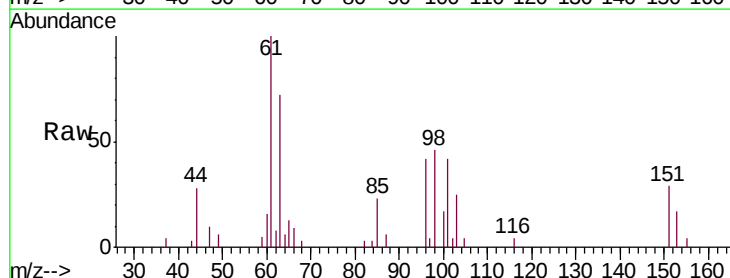
Tgt Ion: 96 Resp: 2588

Ion Ratio Lower Upper

96 100

61 239.5 143.8 267.0

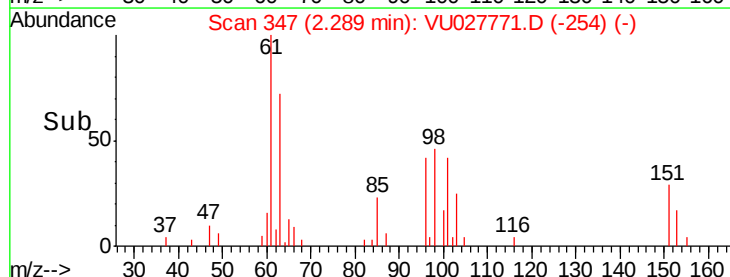
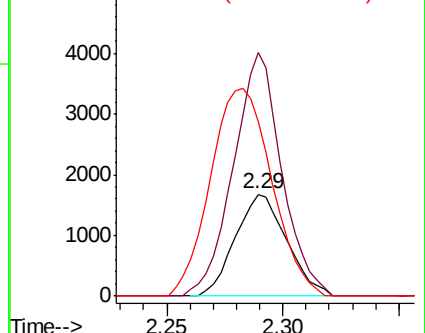
63 171.6 105.1 195.3

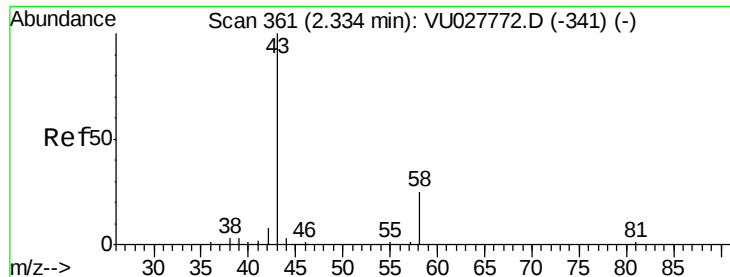


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 10.770 ug/L

RT: 2.36 min Scan# 368

Delta R.T. 0.02 min

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ClientSampleId :

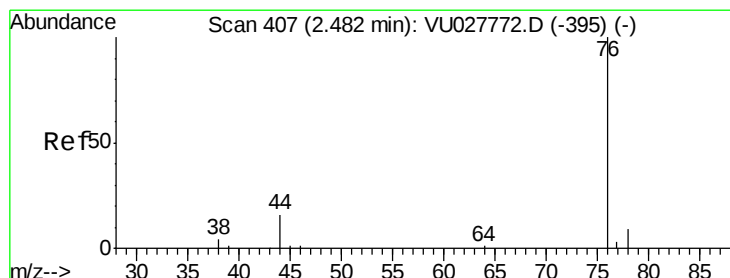
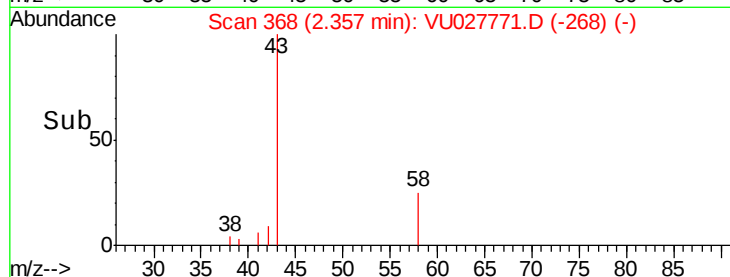
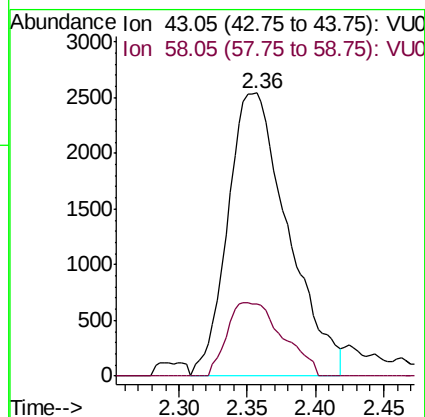
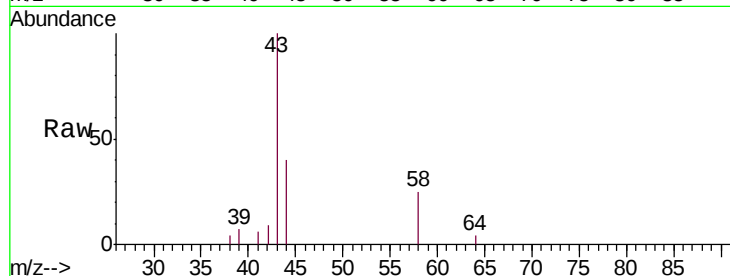
VSTD00143

Tgt Ion: 43 Resp: 7805

Ion Ratio Lower Upper

43 100

58 23.9 0.0 52.8



#14

Carbon disulfide

Concen: 0.985 ug/L

RT: 2.48 min Scan# 407

Delta R.T. 0.00 min

Lab File: VU027771.D

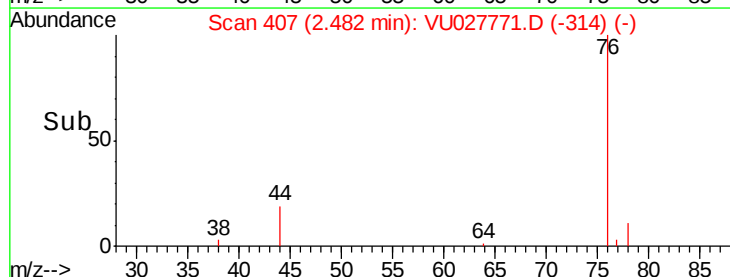
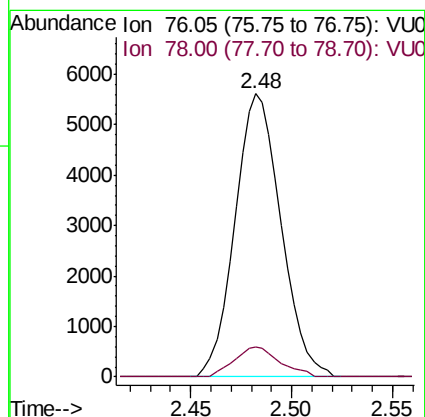
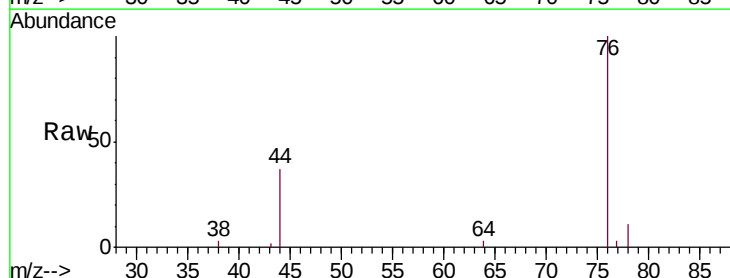
Acq: 24 Oct 2018 08:58

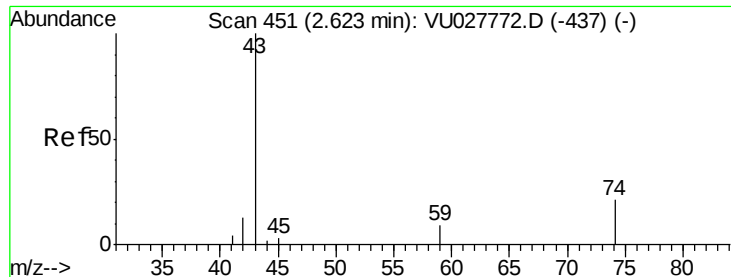
Tgt Ion: 76 Resp: 8944

Ion Ratio Lower Upper

76 100

78 10.7 7.4 11.0





#15

Methyl Acetate

Concen: 1.100 ug/L

RT: 2.63 min Scan# 453

Delta R.T. 0.01 min

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Acq: 24 Oct 2018 08:58

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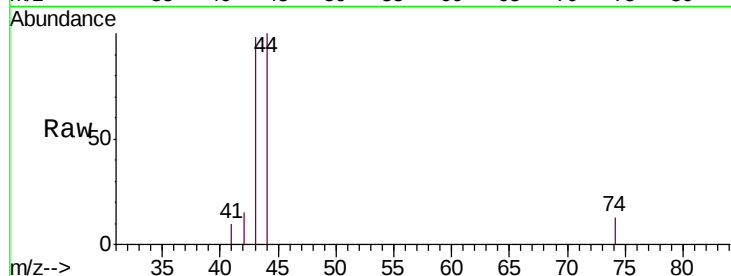
VSTD00143

Tgt Ion: 43 Resp: 2231

Ion Ratio Lower Upper

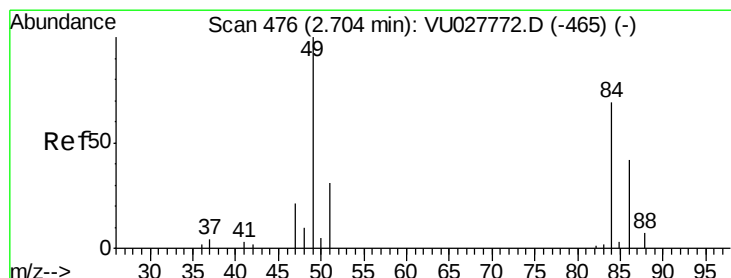
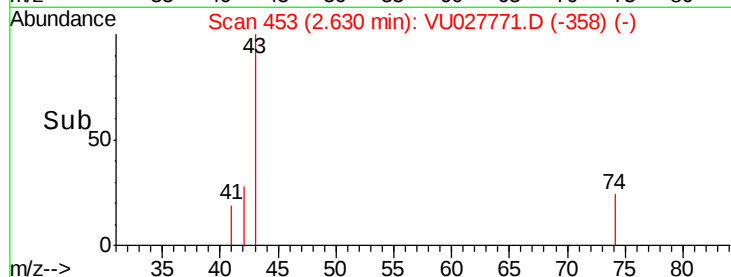
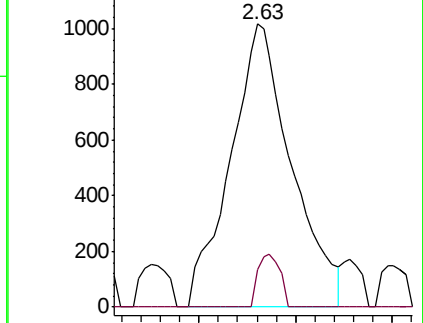
43 100

74 6.8 15.8 23.8#



Abundance Ion 43.05 (42.75 to 43.75): VU027771.D (-358) (-)

Ion 74.05 (73.75 to 74.75): VU027771.D (-358) (-)



#16

Methylene chloride

Concen: 1.011 ug/L

RT: 2.71 min Scan# 477

Delta R.T. 0.00 min

Lab File: VU027771.D

Acq: 24 Oct 2018 08:58

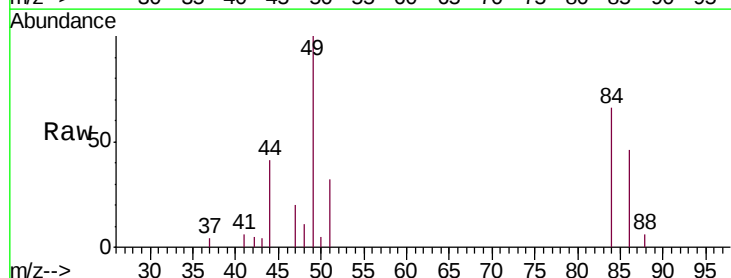
Tgt Ion: 84 Resp: 3152

Ion Ratio Lower Upper

84 100

86 70.2 42.8 79.4

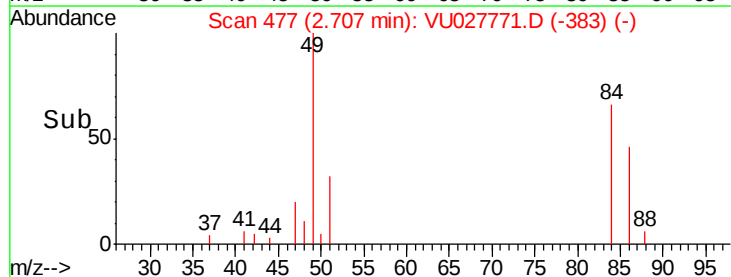
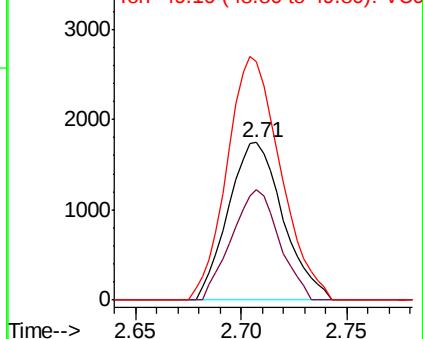
49 151.3 101.4 188.4

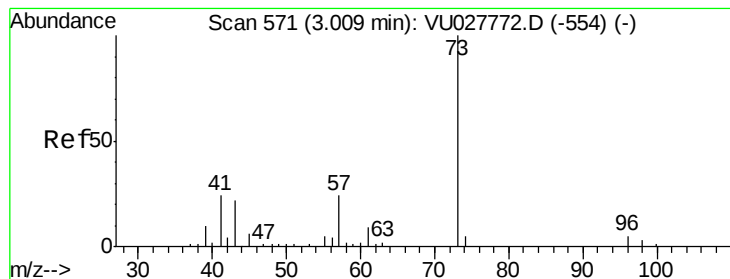


Abundance Ion 84.05 (83.75 to 84.75): VU027771.D (-383) (-)

Ion 86.00 (85.70 to 86.70): VU027771.D (-383) (-)

Ion 49.10 (48.80 to 49.80): VU027771.D (-383) (-)



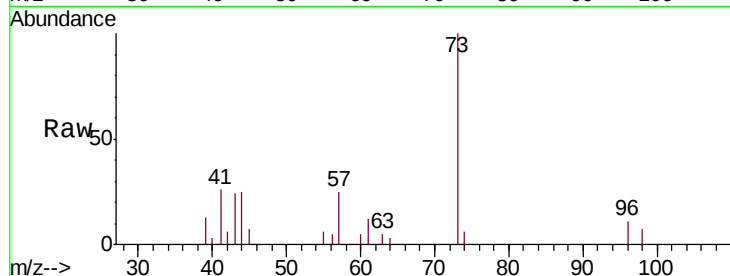


#17

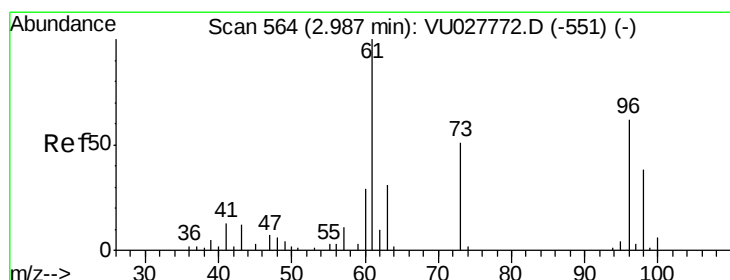
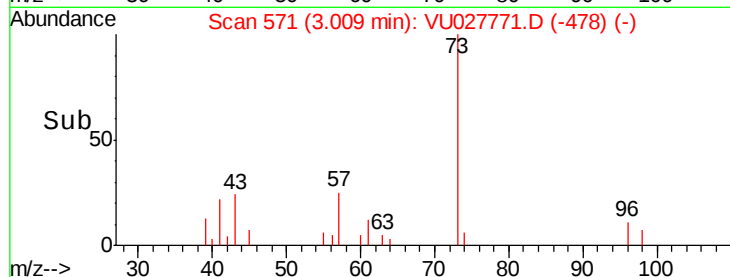
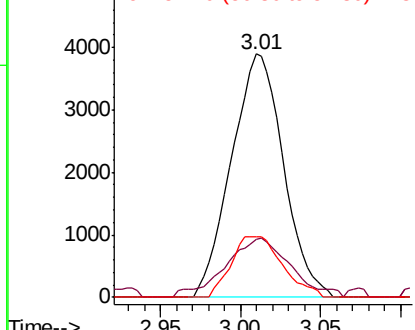
Methyl tert-butyl Ether
 Concen: 1.025 ug/L
 RT: 3.01 min Scan# 571
 Delta R.T. 0.00 min
 Lab File: VU027771.D
 Acq: 24 Oct 2018 08:58

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00143

Tgt Ion: 73 Resp: 8678
 Ion Ratio Lower Upper
 73 100
 43 30.3 18.6 28.0#
 57 24.5 18.2 27.2



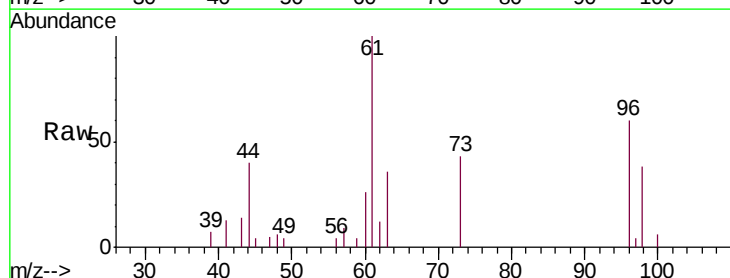
Abundance Ion 73.10 (72.80 to 73.80): VU0
 Ion 43.05 (42.75 to 43.75): VU0
 Ion 57.10 (56.80 to 57.80): VU0



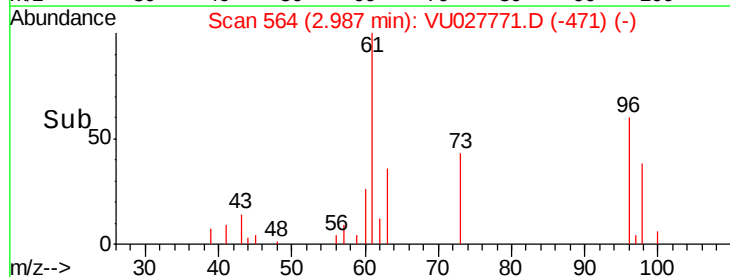
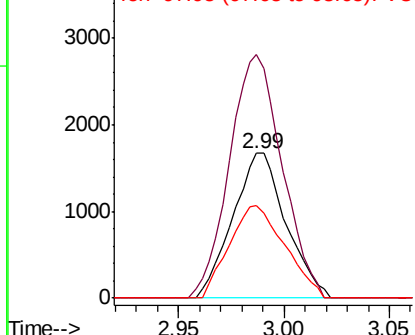
#18

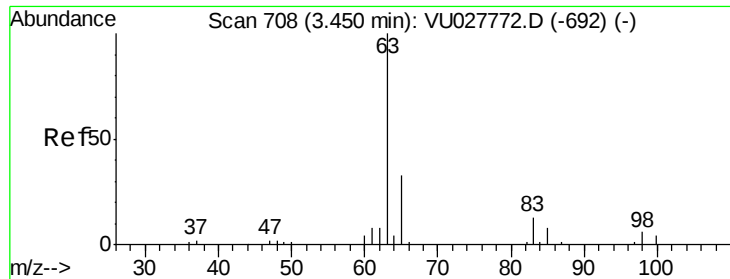
trans-1,2-Dichloroethene
 Concen: 1.036 ug/L
 RT: 2.99 min Scan# 564
 Delta R.T. 0.00 min
 Lab File: VU027771.D
 Acq: 24 Oct 2018 08:58

Tgt Ion: 96 Resp: 2936
 Ion Ratio Lower Upper
 96 100
 61 168.0 112.1 208.3
 98 63.9 42.1 78.3



Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 97.95 (97.65 to 98.65): VU0

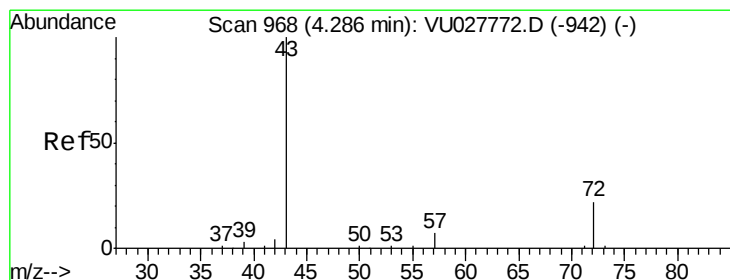
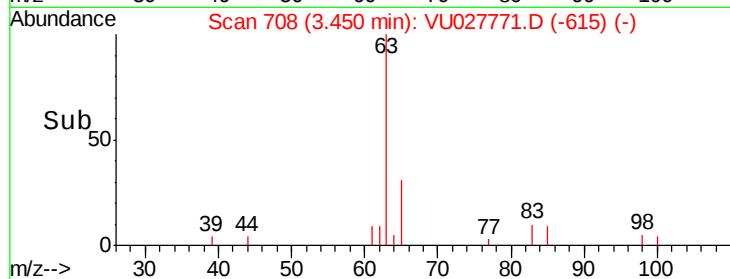
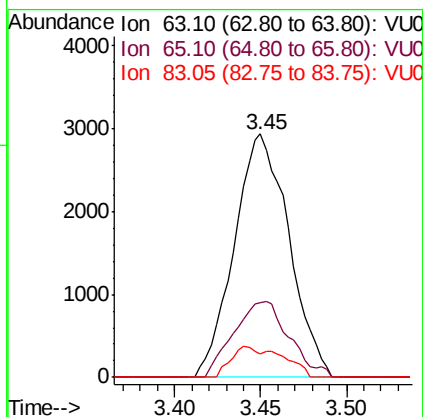
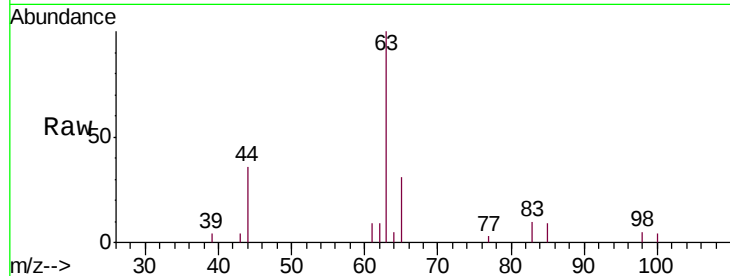




#19
 1,1-Dichloroethane
 Concen: 1.035 ug/L
 RT: 3.45 min Scan# 708
 Delta R.T. 0.00 min
 Lab File: VU027771.D
 Acq: 24 Oct 2018 08:58

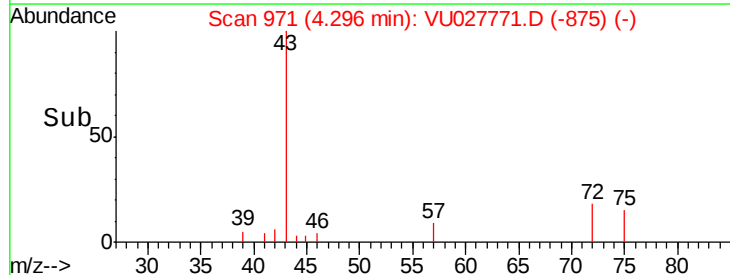
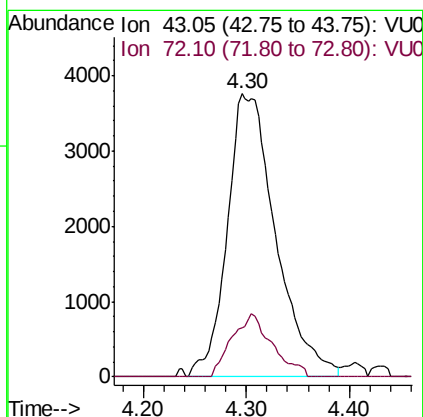
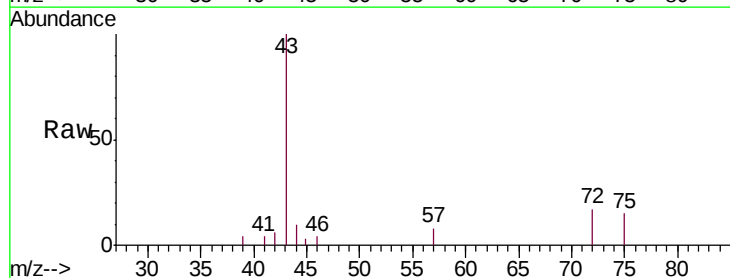
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00143

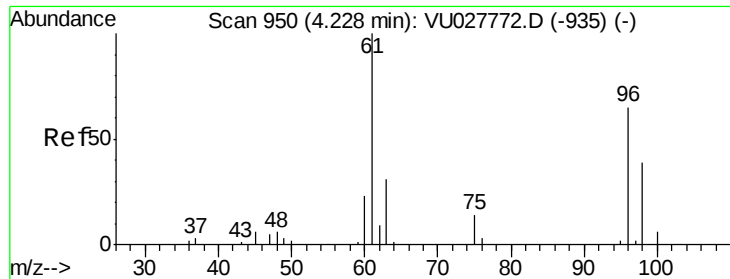
Tgt Ion: 63 Resp: 6483
 Ion Ratio Lower Upper
 63 100
 65 30.8 23.1 42.9
 83 9.9 9.2 17.0



#21
 2-Butanone
 Concen: 10.378 ug/L
 RT: 4.30 min Scan# 971
 Delta R.T. 0.01 min
 Lab File: VU027771.D
 Acq: 24 Oct 2018 08:58

Tgt Ion: 43 Resp: 12340
 Ion Ratio Lower Upper
 43 100
 72 18.4 10.5 31.6



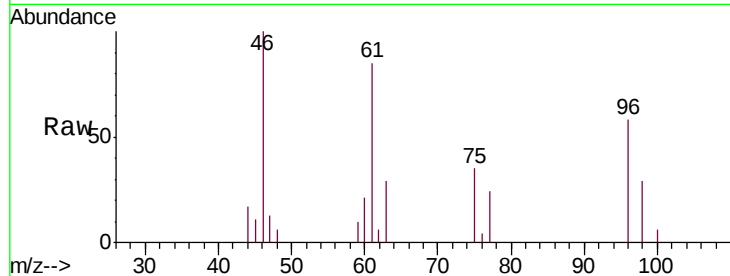


#22

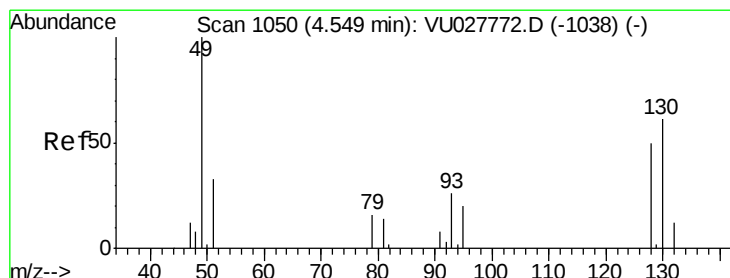
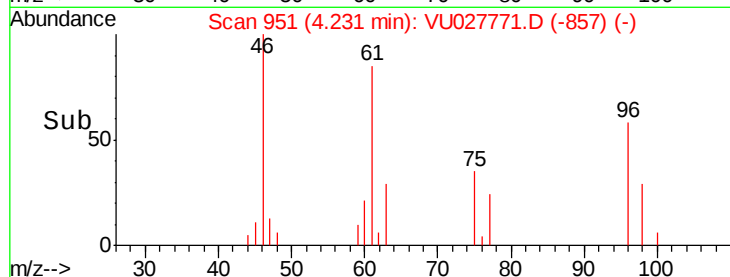
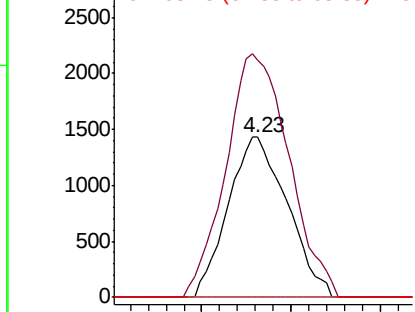
cis-1,2-Dichloroethene
Concen: 0.983 ug/L
RT: 4.23 min Scan# 951
Delta R.T. 0.00 min
Lab File: VU027771.D
Acq: 24 Oct 2018 08:58

Instrument :
MSVOA_U
ClientSampleId :
VSTD00143

Tgt Ion: 96 Resp: 3307
Ion Ratio Lower Upper
96 100
61 148.1 107.2 199.0
68 0.0 0.0 0.0



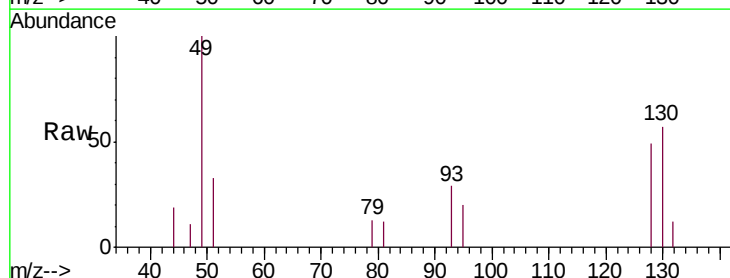
Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 68.15 (67.85 to 68.85): VU0



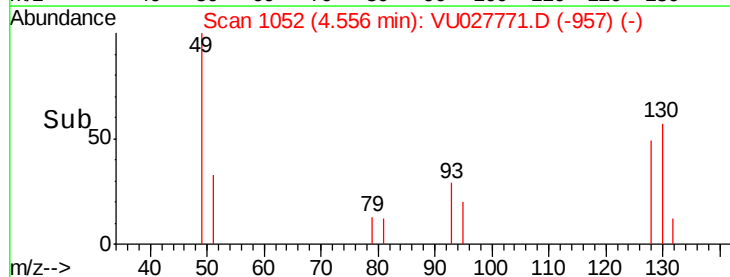
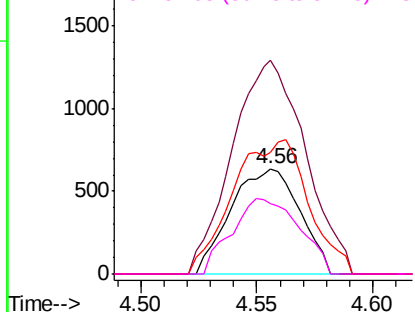
#23

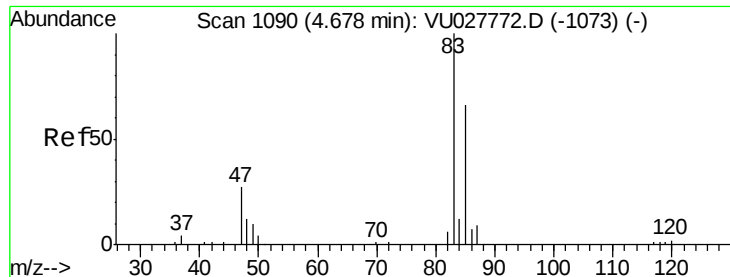
Bromochloromethane
Concen: 0.962 ug/L
RT: 4.56 min Scan# 1052
Delta R.T. 0.01 min
Lab File: VU027771.D
Acq: 24 Oct 2018 08:58

Tgt Ion: 128 Resp: 1313
Ion Ratio Lower Upper
128 100
49 202.8 142.8 265.2
130 115.4 86.0 159.8
51 66.7 52.6 79.0



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

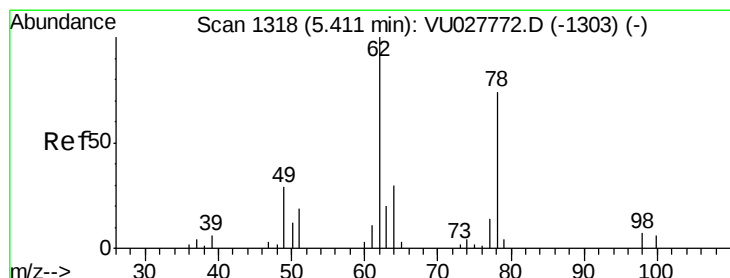
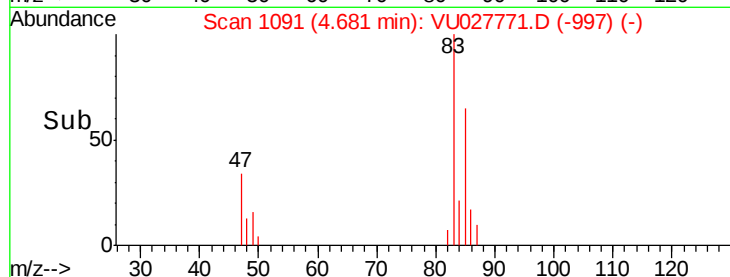
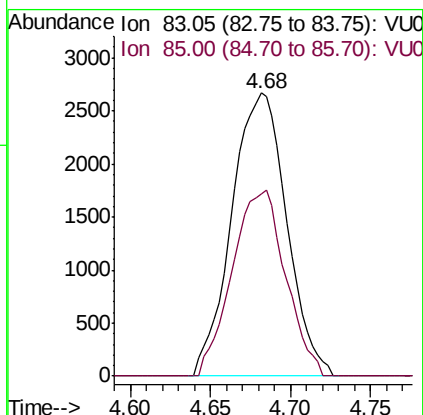
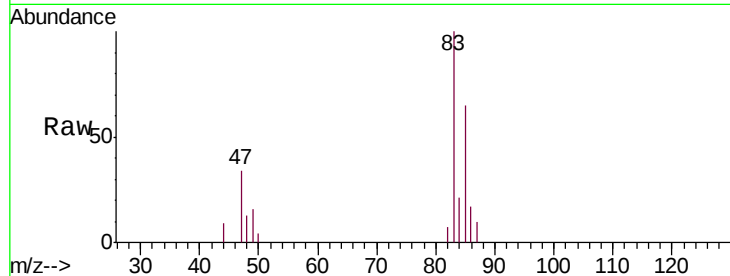




#25
Chloroform
Concen: 0.995 ug/L
RT: 4.68 min Scan# 1091
Delta R.T. 0.00 min
Lab File: VU027771.D
Acq: 24 Oct 2018 08:58

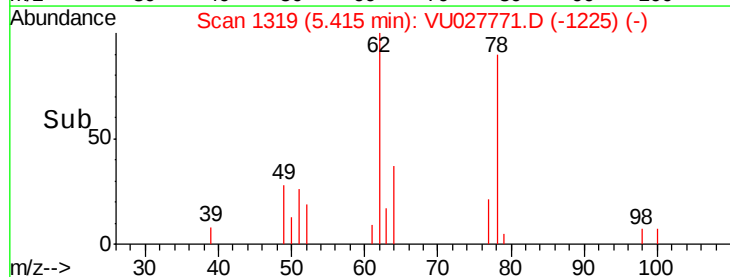
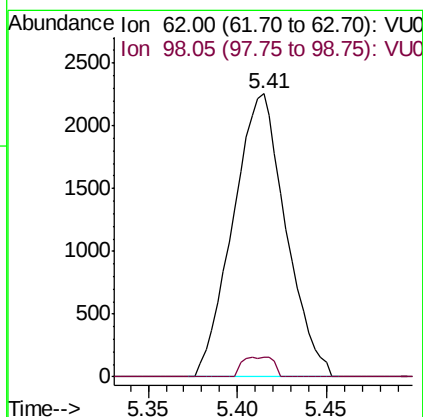
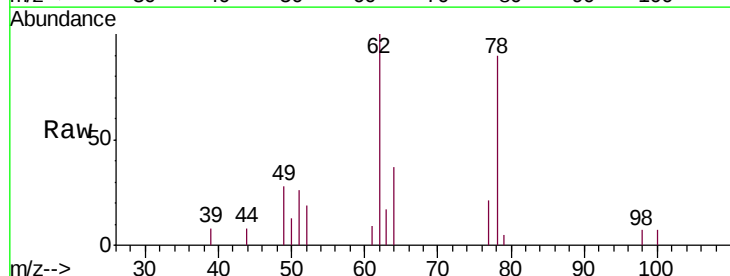
Instrument :
MSVOA_U
ClientSampleId :
VSTD00143

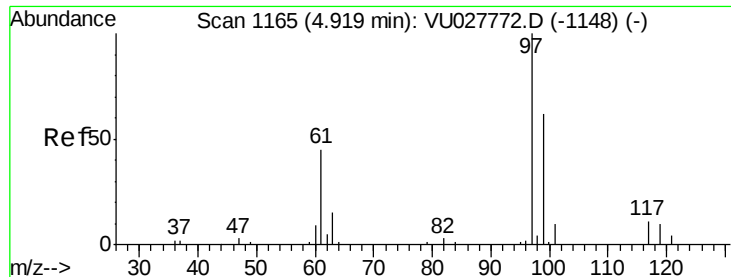
Tgt Ion: 83 Resp: 6276
Ion Ratio Lower Upper
83 100
85 64.5 45.8 85.2



#27
1,2-Dichloroethane
Concen: 1.000 ug/L
RT: 5.41 min Scan# 1319
Delta R.T. 0.00 min
Lab File: VU027771.D
Acq: 24 Oct 2018 08:58

Tgt Ion: 62 Resp: 4658
Ion Ratio Lower Upper
62 100
98 6.8 5.7 8.5

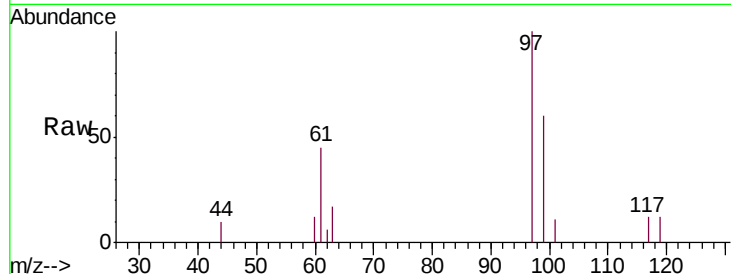




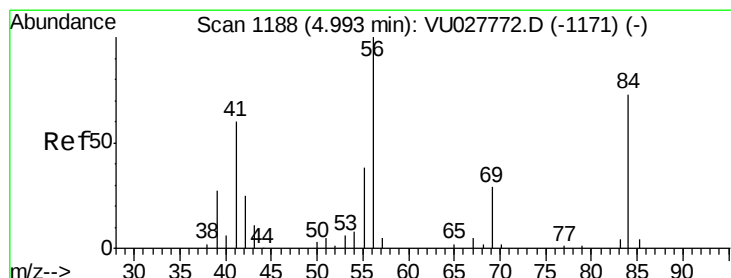
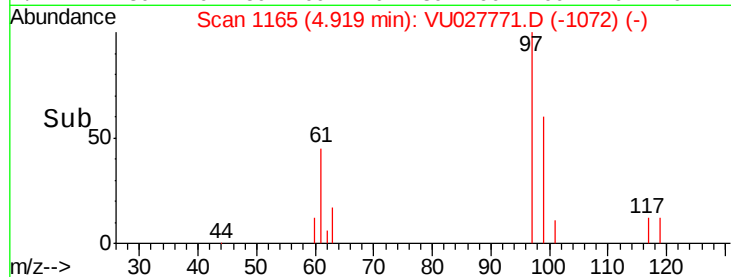
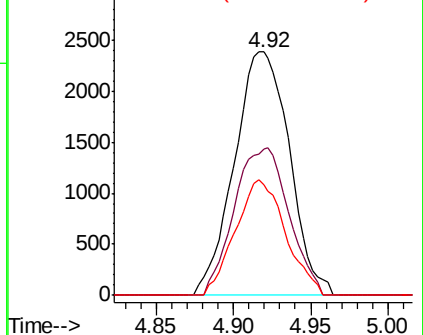
#29
 1,1,1-Trichloroethane
 Concen: 1.037 ug/L
 RT: 4.92 min Scan# 1165
 Delta R.T. 0.00 min
 Lab File: VU027771.D
 Acq: 24 Oct 2018 08:58

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00143

Tgt Ion: 97 Resp: 5902
 Ion Ratio Lower Upper
 97 100
 99 60.0 51.3 76.9
 61 43.1 36.7 55.1

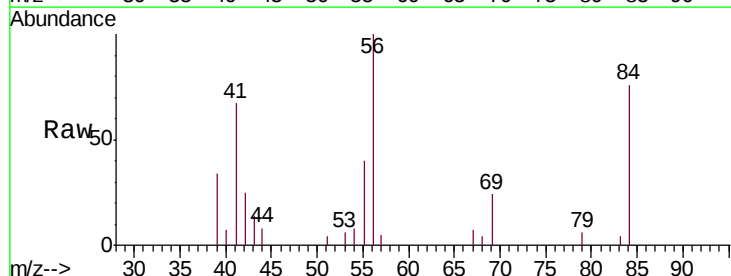


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

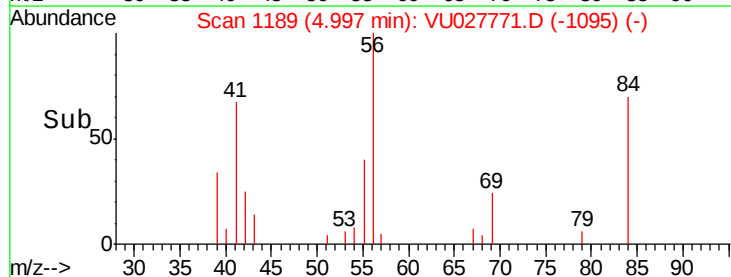
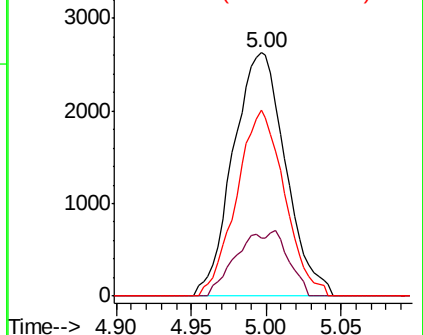


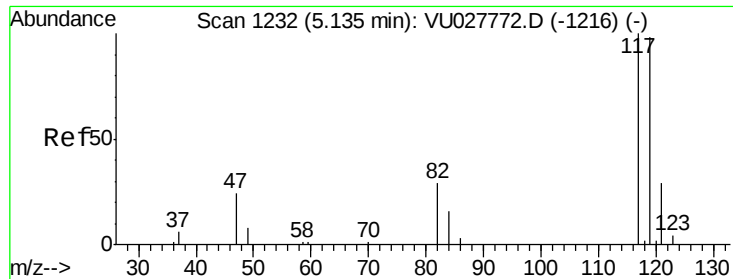
#30
 Cyclohexane
 Concen: 1.005 ug/L
 RT: 5.00 min Scan# 1189
 Delta R.T. 0.00 min
 Lab File: VU027771.D
 Acq: 24 Oct 2018 08:58

Tgt Ion: 56 Resp: 6401
 Ion Ratio Lower Upper
 56 100
 69 15.9 22.2 33.4#
 84 70.1 58.6 88.0



Abundance Ion 56.10 (55.80 to 56.80): VU0
 Ion 69.15 (68.85 to 69.85): VU0
 Ion 84.15 (83.85 to 84.85): VU0

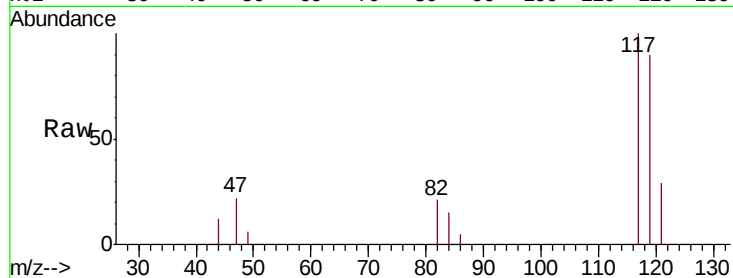




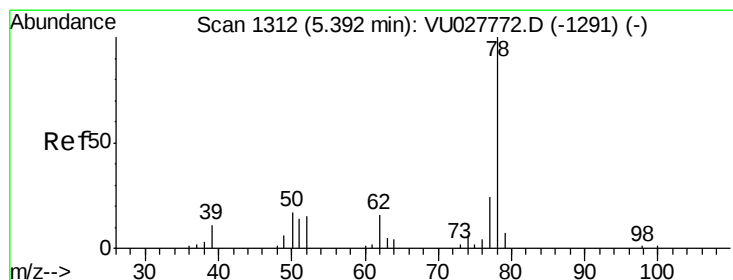
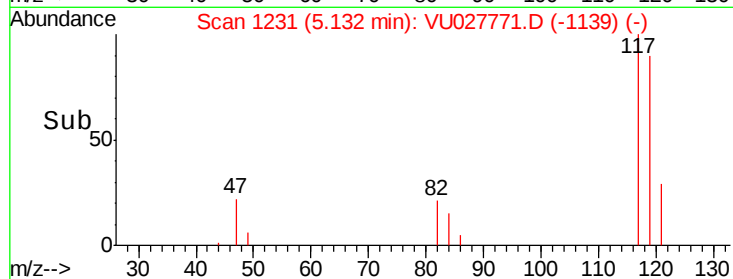
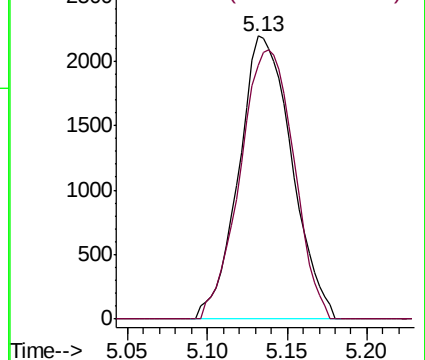
#31
Carbon tetrachloride
Concen: 1.019 ug/L
RT: 5.13 min Scan# 1231
Delta R.T. -0.00 min
Lab File: VU027771.D
Acq: 24 Oct 2018 08:58

Instrument :
MSVOA_U
ClientSampleId :
VSTD00143

Tgt Ion:117 Resp: 4976
Ion Ratio Lower Upper
117 100
119 96.4 77.0 115.6

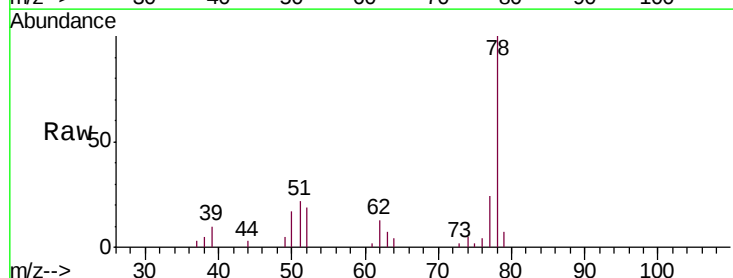


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 118.90 (118.60 to 119.60): V

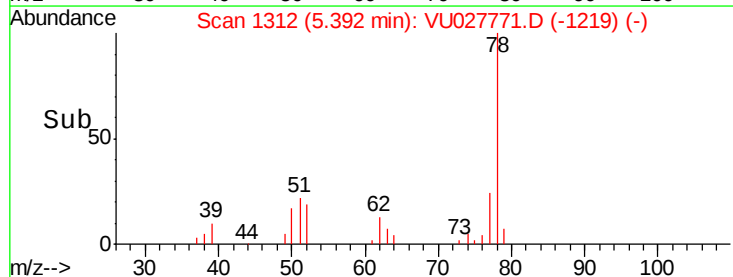
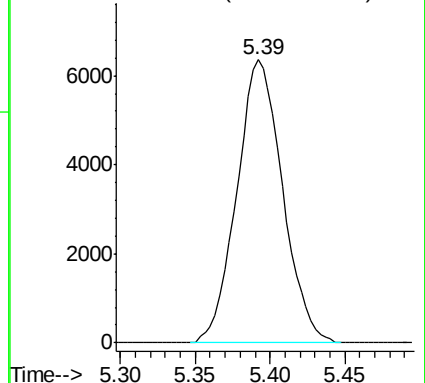


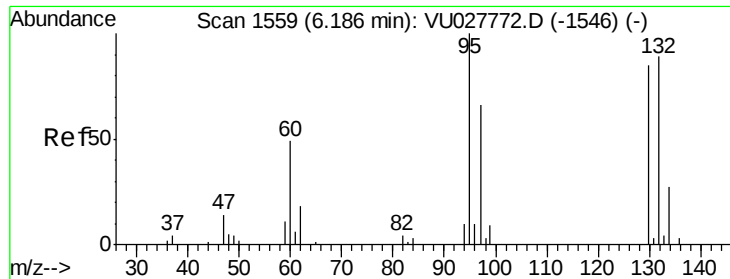
#33
Benzene
Concen: 1.029 ug/L
RT: 5.39 min Scan# 1312
Delta R.T. 0.00 min
Lab File: VU027771.D
Acq: 24 Oct 2018 08:58

Tgt Ion: 78 Resp: 13529



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 1.001 ug/L

RT: 6.19 min Scan# 1559

Delta R.T. 0.00 min

Lab File: VU027771.D

Acq: 24 Oct 2018 08:58

Instrument :

MSVOA_U

ClientSampleId :

VSTD00143

Tgt Ion: 95 Resp: 3410

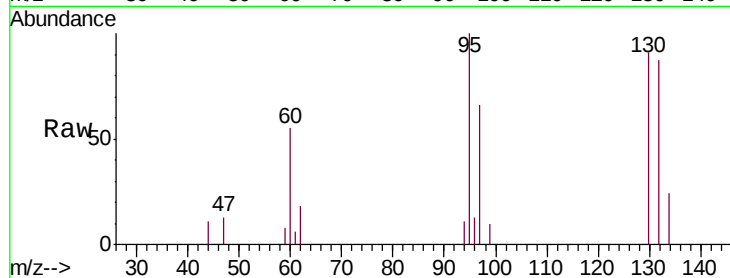
Ion Ratio Lower Upper

95 100

97 66.4 46.4 86.2

132 87.1 62.0 115.2

130 91.1 59.5 110.5

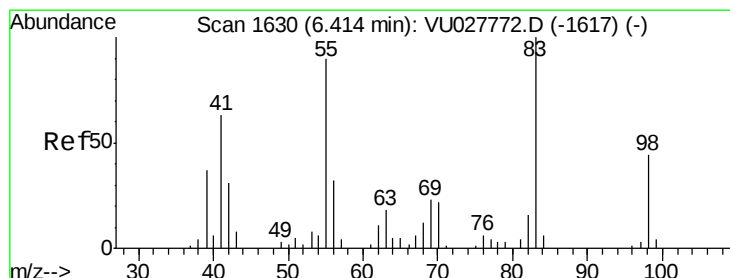
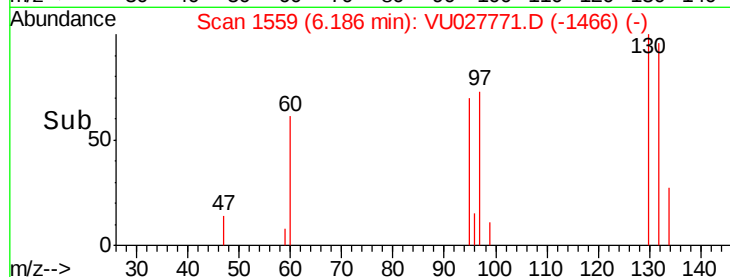
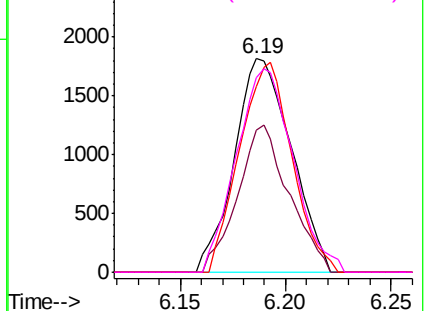


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 0.993 ug/L

RT: 6.42 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VU027771.D

Acq: 24 Oct 2018 08:58

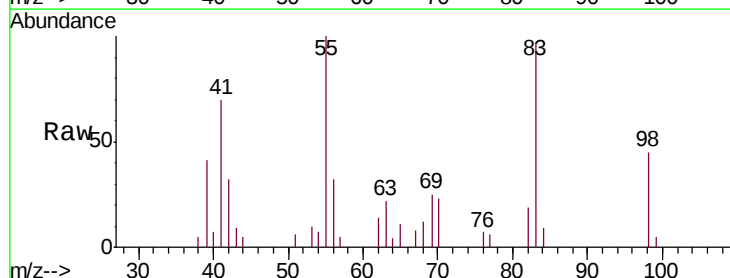
Tgt Ion: 83 Resp: 5653

Ion Ratio Lower Upper

83 100

55 95.9 71.5 107.3

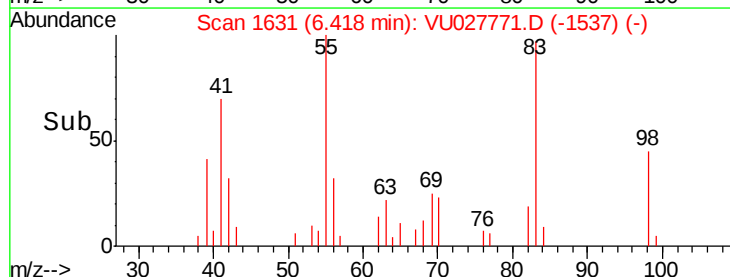
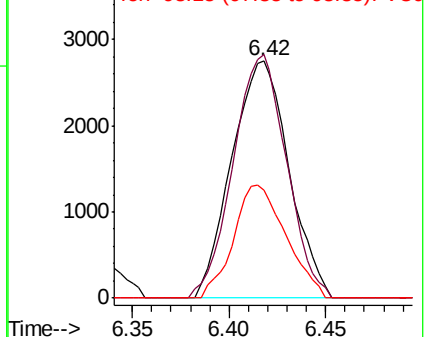
98 43.5 35.4 53.0

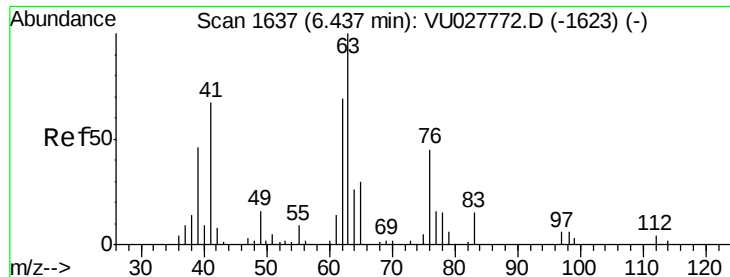


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 1.008 ug/L

RT: 6.44 min Scan# 1638

Delta R.T. 0.00 min

Lab File: VU027771.D

Acq: 24 Oct 2018 08:58

Instrument :

MSVOA_U

ClientSampleId :

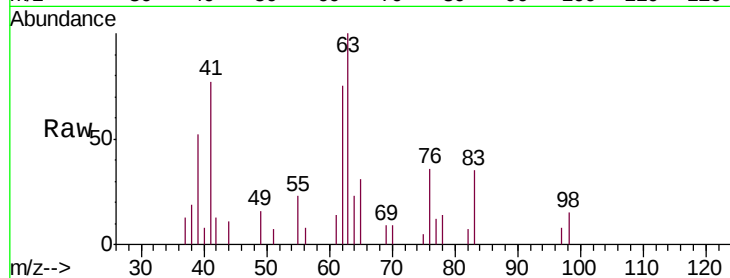
VSTD00143

Tgt Ion: 63 Resp: 3889

Ion Ratio Lower Upper

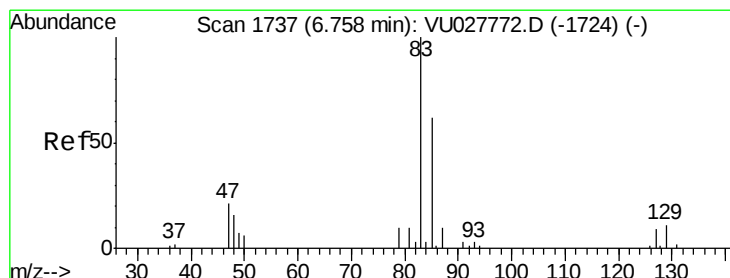
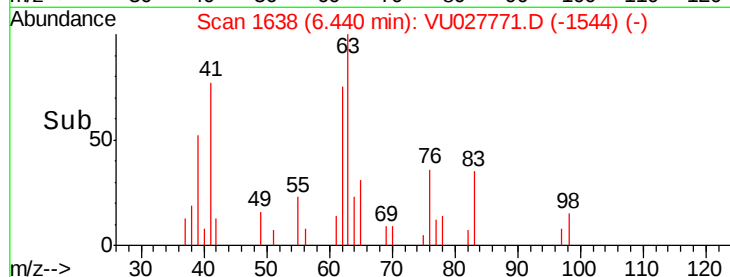
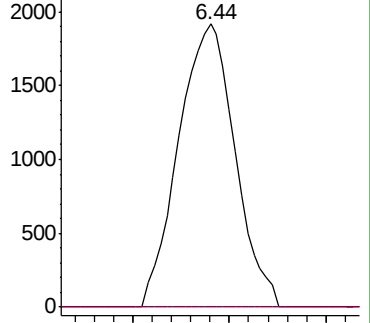
63 100

112 0.0 2.7 4.1#



Abundance Ion 63.10 (62.80 to 63.80): VU0

Ion 112.10 (111.80 to 112.80): V



#38

Bromodichloromethane

Concen: 1.011 ug/L

RT: 6.76 min Scan# 1737

Delta R.T. 0.00 min

Lab File: VU027771.D

Acq: 24 Oct 2018 08:58

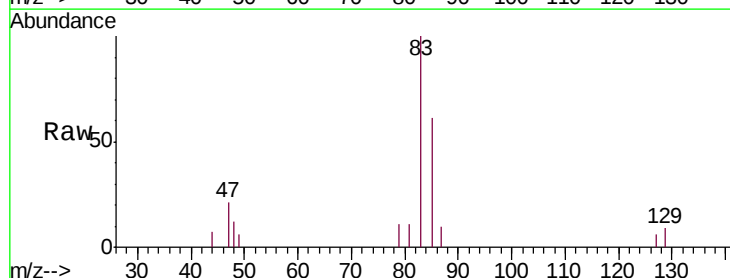
Tgt Ion: 83 Resp: 4657

Ion Ratio Lower Upper

83 100

85 61.3 43.3 80.5

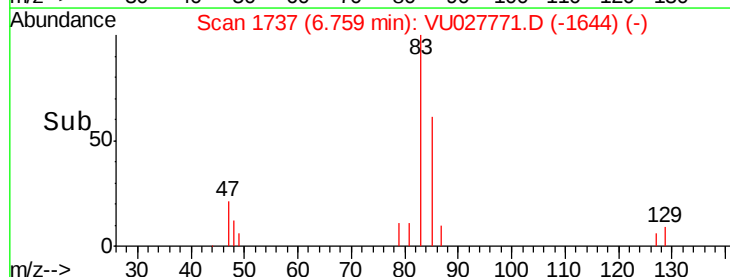
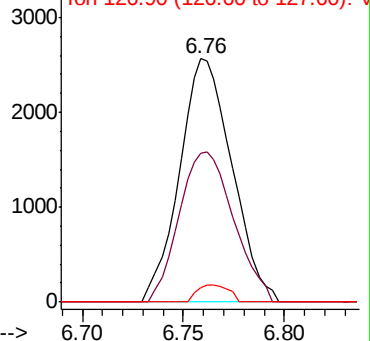
127 6.0 7.2 10.8#

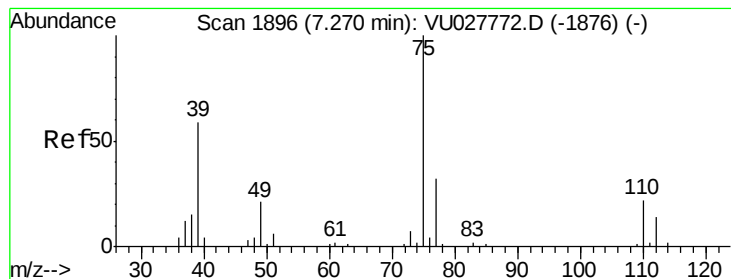


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 126.90 (126.60 to 127.60): V



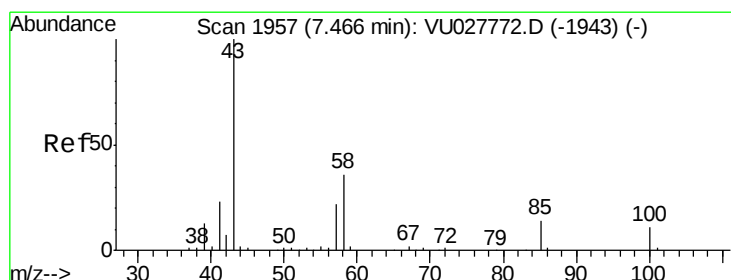
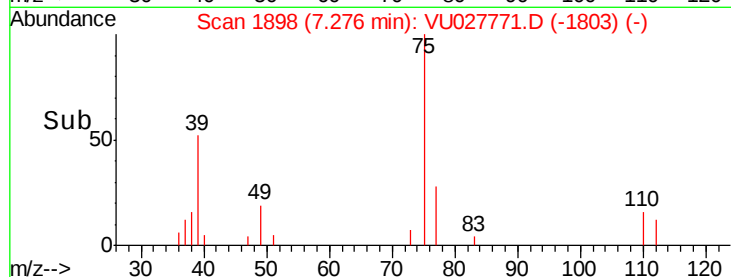
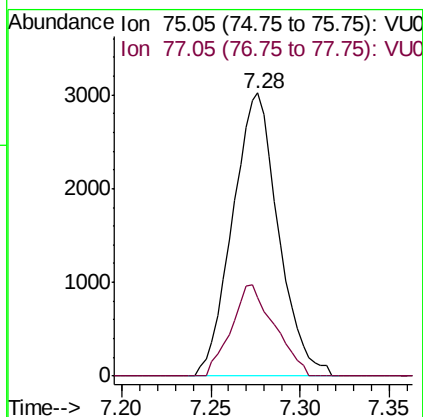
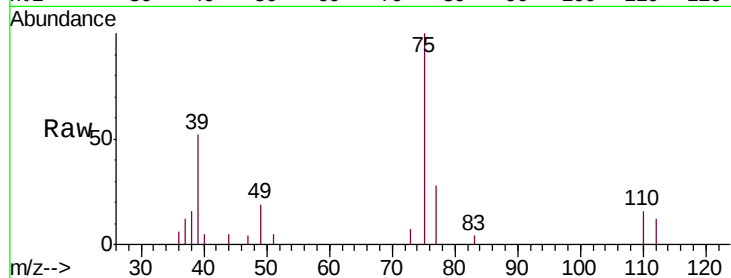


#39

cis-1,3-Dichloropropene
 Concen: 0.979 ug/L
 RT: 7.28 min Scan# 1898
 Delta R.T. 0.01 min
 Lab File: VU027771.D
 Acq: 24 Oct 2018 08:58

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00143

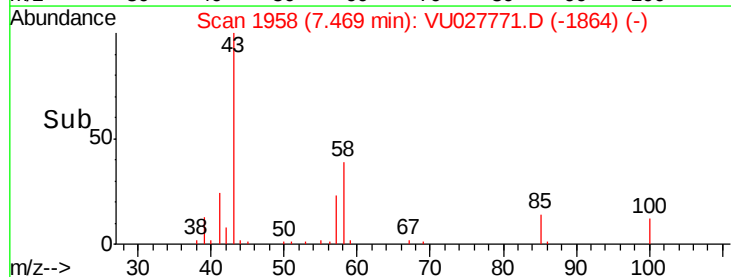
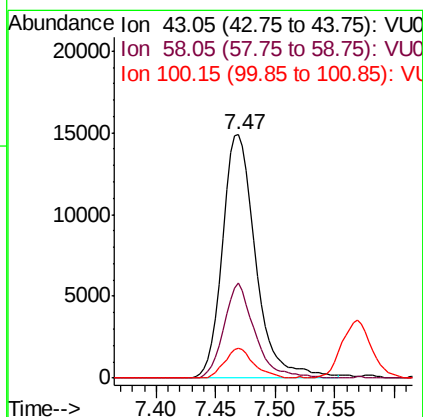
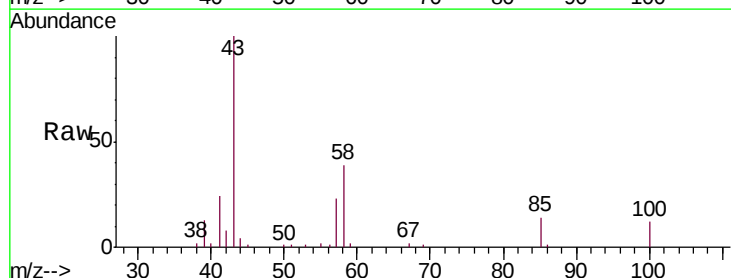
Tgt Ion: 75 Resp: 5411
 Ion Ratio Lower Upper
 75 100
 77 27.8 22.5 41.7

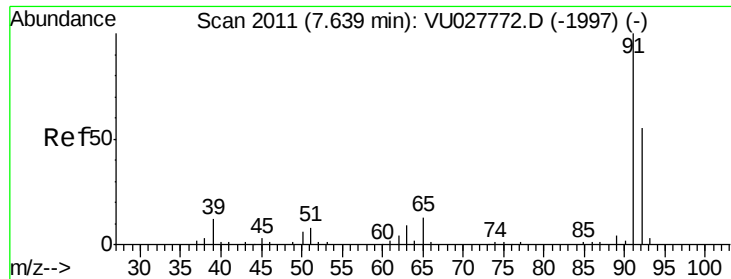


#40

4-Methyl-2-pentanone
 Concen: 9.999 ug/L
 RT: 7.47 min Scan# 1958
 Delta R.T. 0.00 min
 Lab File: VU027771.D
 Acq: 24 Oct 2018 08:58

Tgt Ion: 43 Resp: 28848
 Ion Ratio Lower Upper
 43 100
 58 36.2 28.1 42.1
 100 10.7 8.7 13.1





#42

Toluene

Concen: 0.996 ug/L

RT: 7.64 min Scan# 2011

Delta R.T. 0.00 min

Lab File: VU027771.D

Acq: 24 Oct 2018 08:58

Instrument :

MSVOA_U

ClientSampleId :

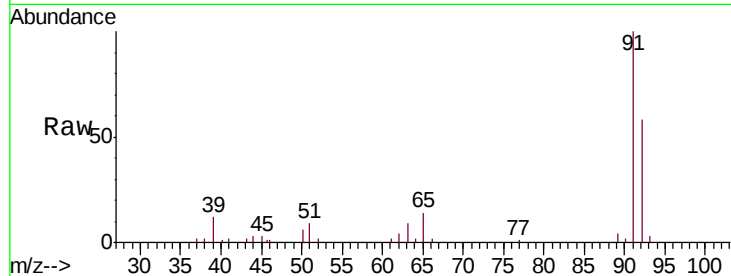
VSTD00143

Tgt Ion: 91 Resp: 14097

Ion Ratio Lower Upper

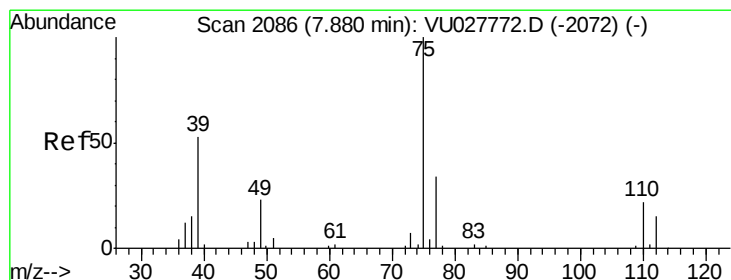
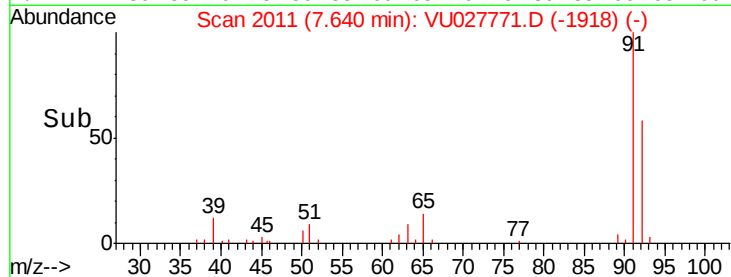
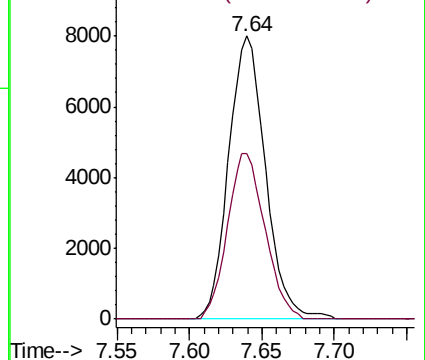
91 100

92 58.4 38.6 71.8



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: 0.976 ug/L

RT: 7.88 min Scan# 2087

Delta R.T. 0.00 min

Lab File: VU027771.D

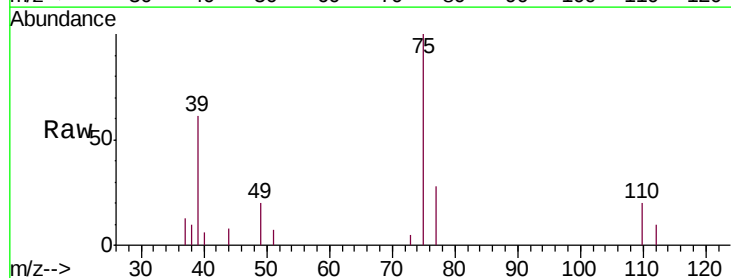
Acq: 24 Oct 2018 08:58

Tgt Ion: 75 Resp: 4541

Ion Ratio Lower Upper

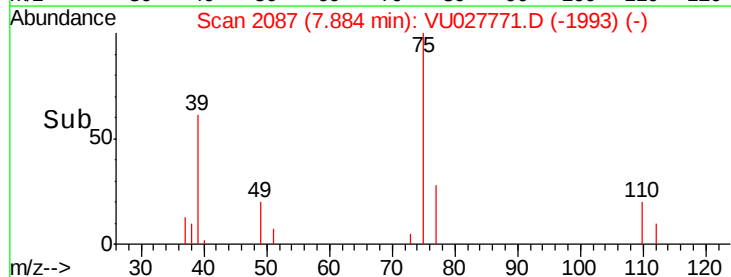
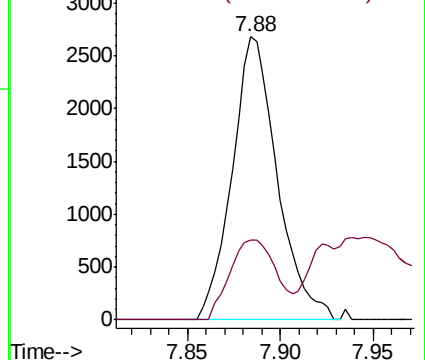
75 100

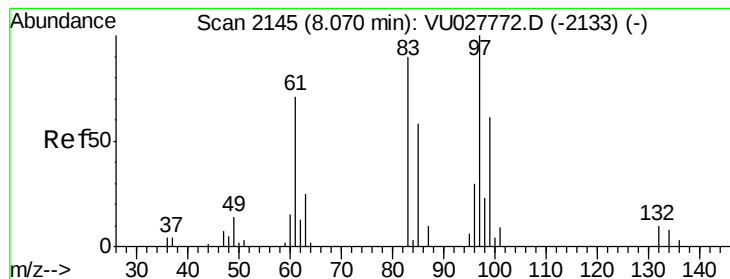
77 28.2 23.5 43.7



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: 0.921 ug/L

RT: 8.07 min Scan# 2145

Delta R.T. 0.00 min

Lab File: VU027771.D

Acq: 24 Oct 2018 08:58

Instrument :

MSVOA_U

ClientSampleId :

VSTD00143

Tgt Ion: 97 Resp: 2144

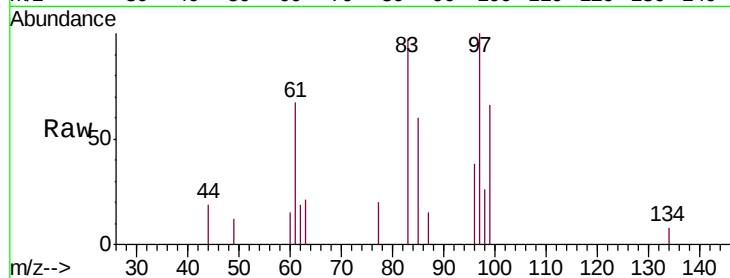
Ion Ratio Lower Upper

97 100

99 65.9 42.8 79.6

83 97.3 62.9 116.9

85 60.3 40.8 75.8

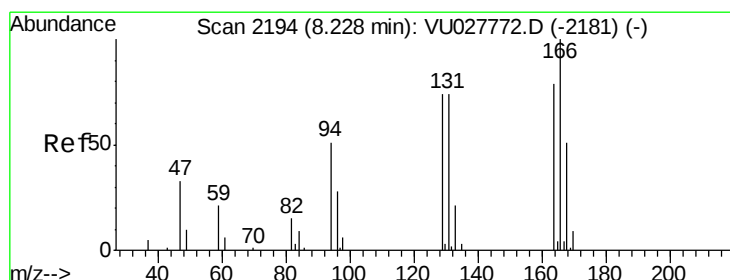
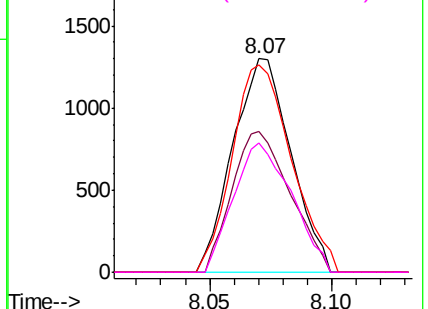
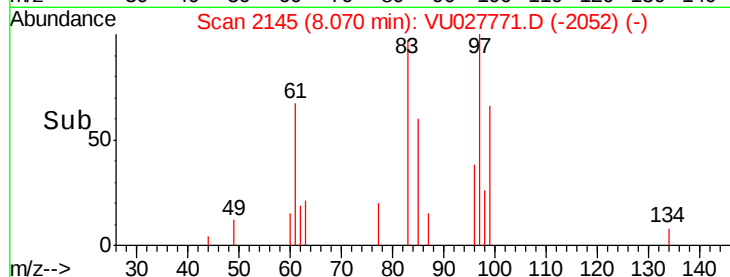


Abundance Ion 96.95 (96.65 to 97.65): VU0

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: 1.023 ug/L

RT: 8.23 min Scan# 2194

Delta R.T. 0.00 min

Lab File: VU027771.D

Acq: 24 Oct 2018 08:58

Tgt Ion: 164 Resp: 2831

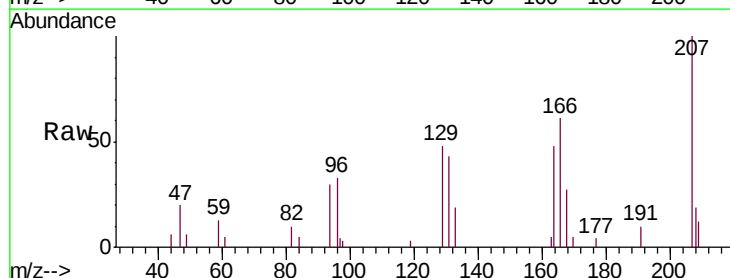
Ion Ratio Lower Upper

164 100

129 101.2 65.6 121.8

131 90.5 65.0 120.8

166 128.9 88.3 164.1

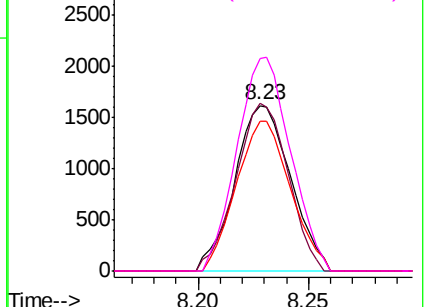
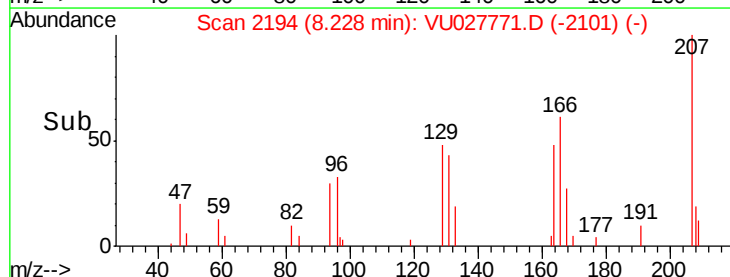


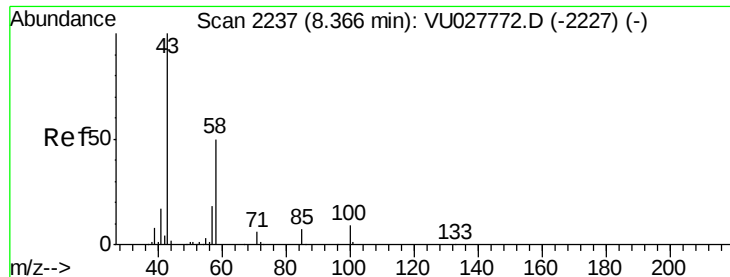
Abundance Ion 163.90 (163.60 to 164.60): V

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

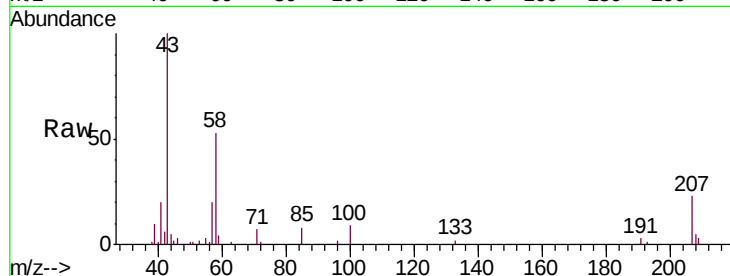




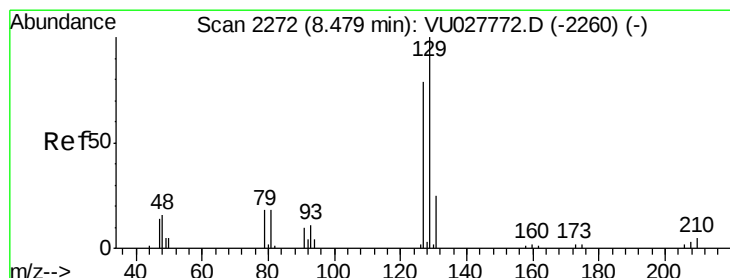
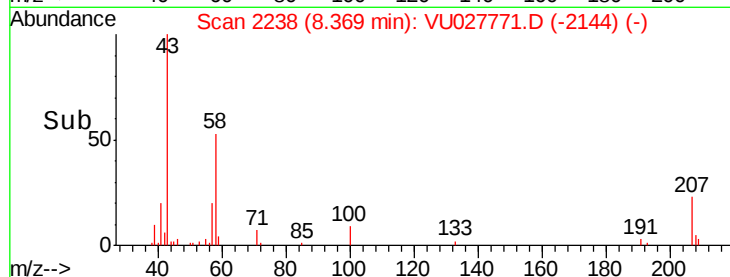
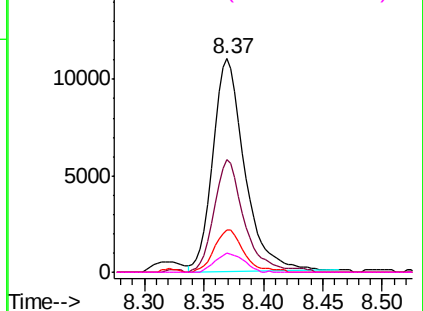
#48
2-Hexanone
Concen: 9.986 ug/L
RT: 8.37 min Scan# 2238
Delta R.T. 0.00 min
Lab File: VU027771.D
Acq: 24 Oct 2018 08:58

Instrument :
MSVOA_U
ClientSampleId :
VSTD00143

Tgt Ion: 43 Resp: 20470
Ion Ratio Lower Upper
43 100
58 49.4 39.4 59.0
57 18.5 13.8 20.8
100 8.0 6.7 10.1

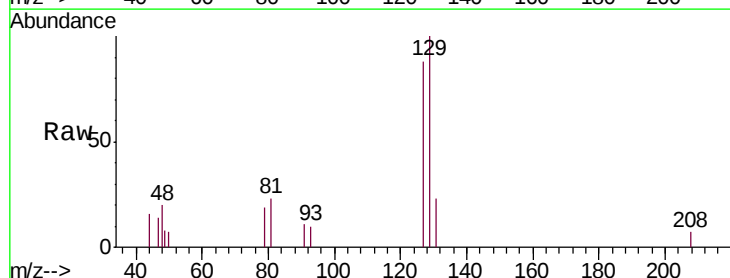


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

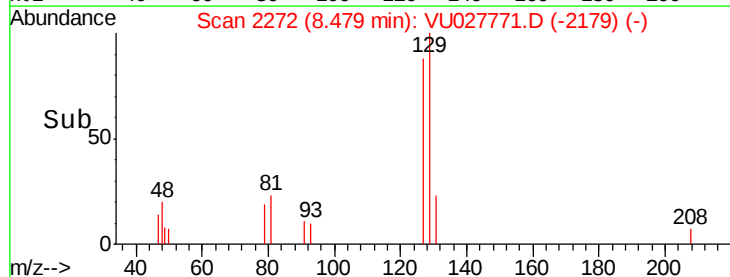
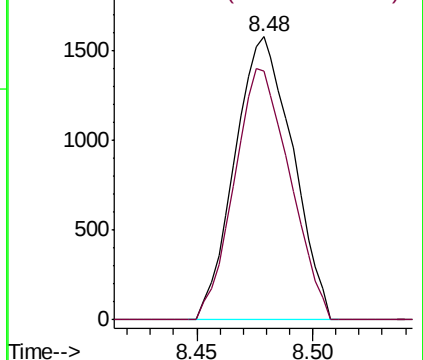


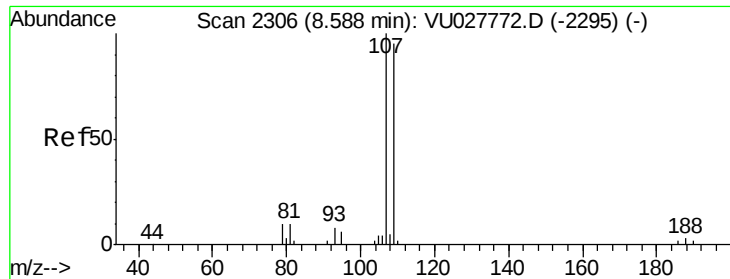
#49
Dibromochloromethane
Concen: 0.921 ug/L
RT: 8.48 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VU027771.D
Acq: 24 Oct 2018 08:58

Tgt Ion: 129 Resp: 2734
Ion Ratio Lower Upper
129 100
127 87.7 55.2 102.4



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

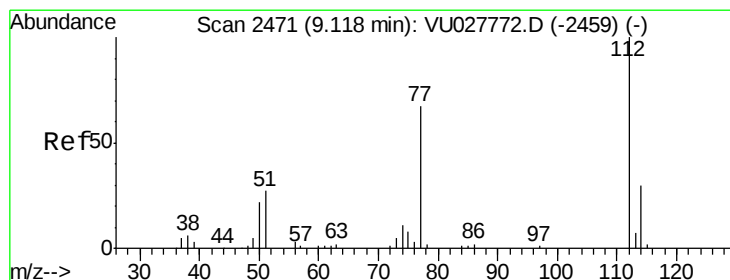
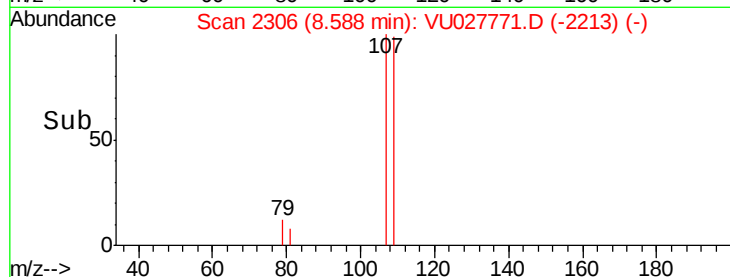
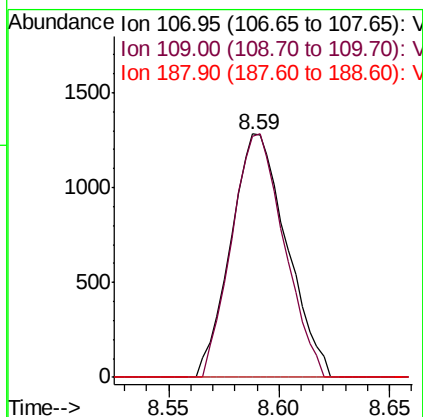
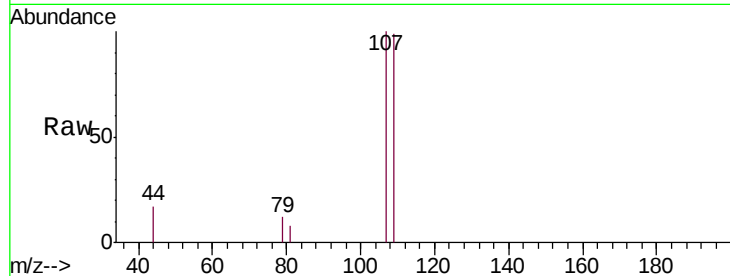




#50
1,2-Dibromoethane
Concen: 0.995 ug/L
RT: 8.59 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VU027771.D
Acq: 24 Oct 2018 08:58

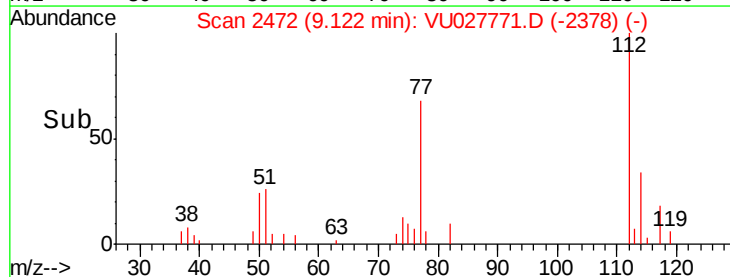
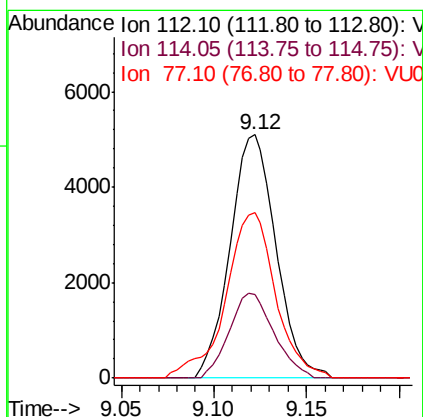
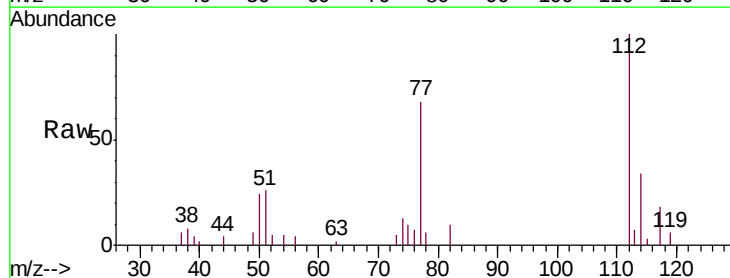
Instrument :
MSVOA_U
ClientSampleId :
VSTD00143

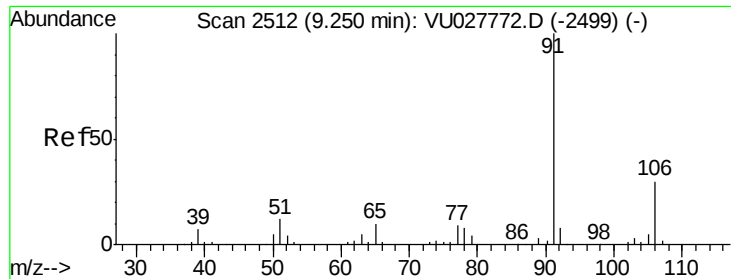
Tgt Ion:107 Resp: 2252
Ion Ratio Lower Upper
107 100
109 98.8 66.3 123.1
188 0.0 2.6 3.8#



#51
Chlorobenzene
Concen: 1.008 ug/L
RT: 9.12 min Scan# 2472
Delta R.T. 0.00 min
Lab File: VU027771.D
Acq: 24 Oct 2018 08:58

Tgt Ion:112 Resp: 8778
Ion Ratio Lower Upper
112 100
114 34.5 21.2 39.4
77 68.0 54.2 81.4





#52

Ethylbenzene

Concen: 1.001 ug/L

RT: 9.25 min Scan# 2512

Delta R.T. 0.00 min

Lab File: VU027771.D

Acq: 24 Oct 2018 08:58

Instrument :

MSVOA_U

ClientSampleId :

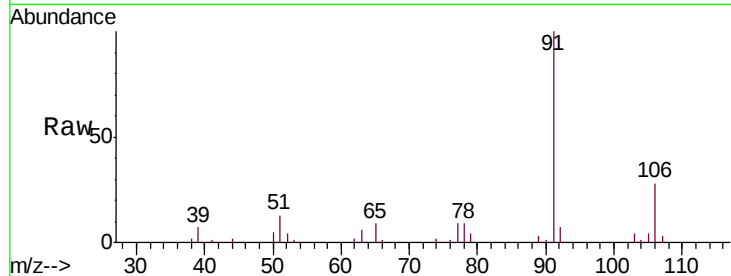
VSTD00143

Tgt Ion: 91 Resp: 16427

Ion Ratio Lower Upper

91 100

106 28.4 20.6 38.4



Abundance Ion 91.15 (90.85 to 91.85): VU027771.D (-2499) (-)

Ion 106.15 (105.85 to 106.85): VU027771.D (-2499) (-)

9.25

10000

8000

6000

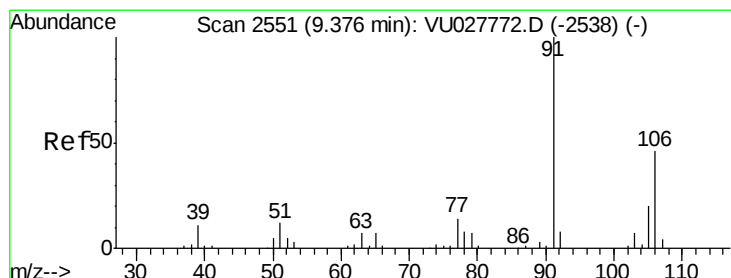
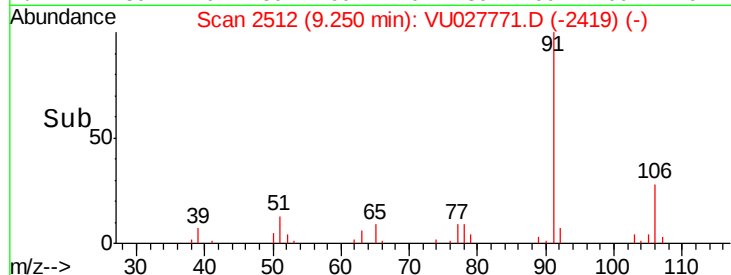
4000

2000

0

9.20 9.25 9.30

Time-->



#53

m,p-xylene

Concen: 0.994 ug/L

RT: 9.38 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VU027771.D

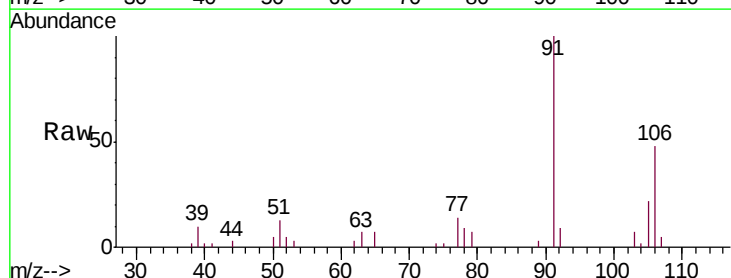
Acq: 24 Oct 2018 08:58

Tgt Ion: 106 Resp: 5779

Ion Ratio Lower Upper

106 100

91 207.2 154.1 286.3



Abundance Ion 106.15 (105.85 to 106.85): VU027771.D (-2538) (-)

Ion 91.15 (90.85 to 91.85): VU027771.D (-2538) (-)

9.38

8000

6000

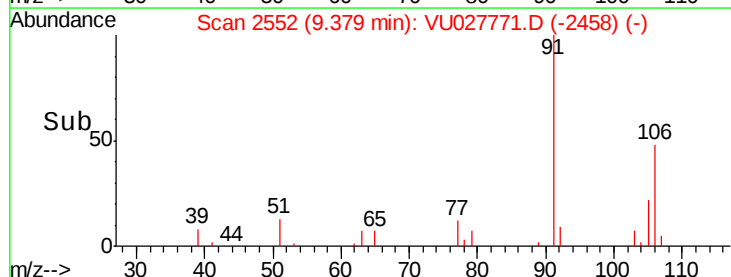
4000

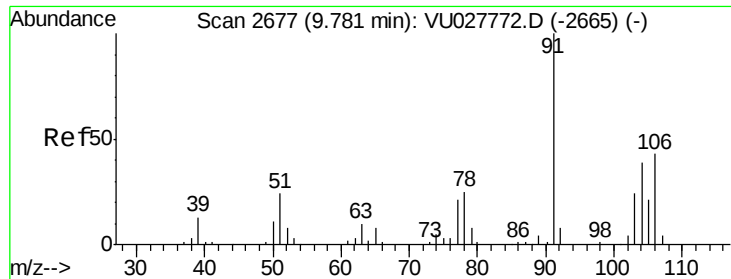
2000

0

9.35 9.40

Time-->





#54

o-xylene

Concen: 1.006 ug/L

RT: 9.78 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VU027771.D

Acq: 24 Oct 2018 08:58

Instrument :

MSVOA_U

ClientSampleId :

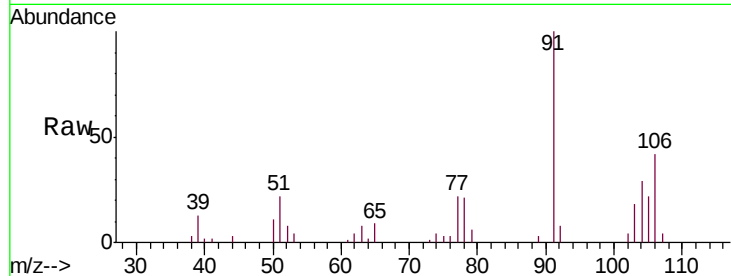
VSTD00143

Tgt Ion:106 Resp: 5712

Ion Ratio Lower Upper

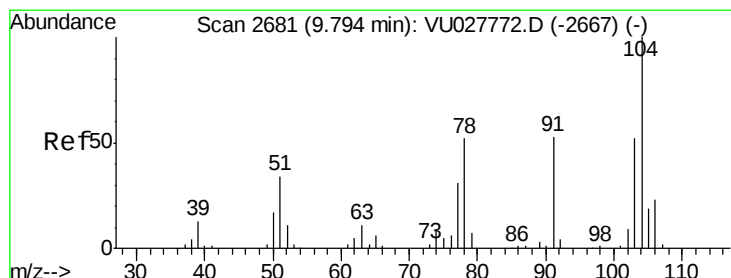
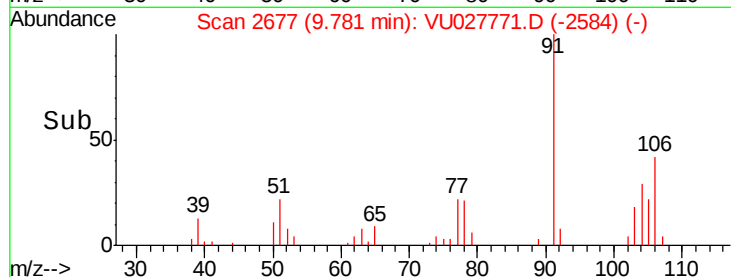
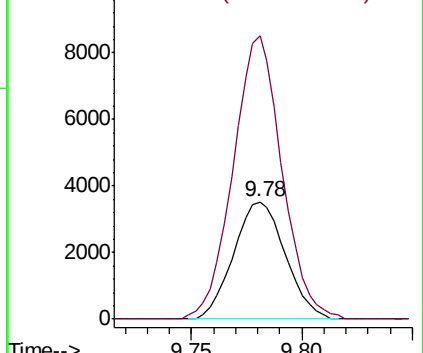
106 100

91 240.8 161.3 299.7



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#55

Styrene

Concen: 0.978 ug/L

RT: 9.79 min Scan# 2681

Delta R.T. 0.00 min

Lab File: VU027771.D

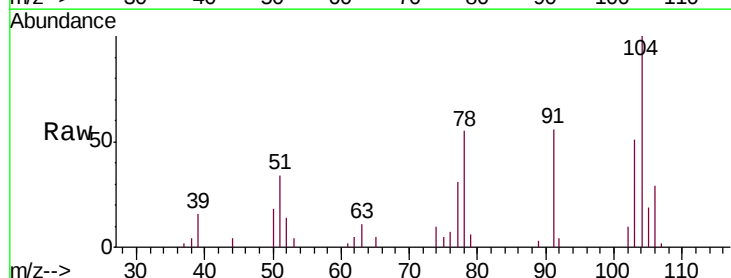
Acq: 24 Oct 2018 08:58

Tgt Ion:104 Resp: 9404

Ion Ratio Lower Upper

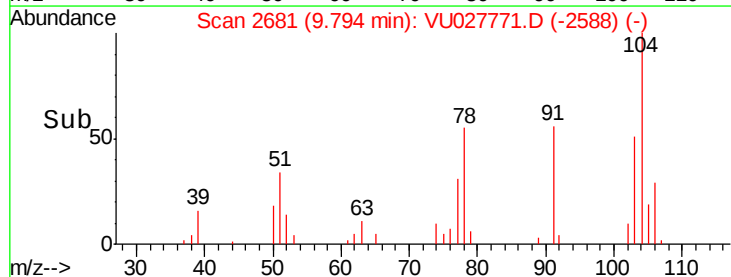
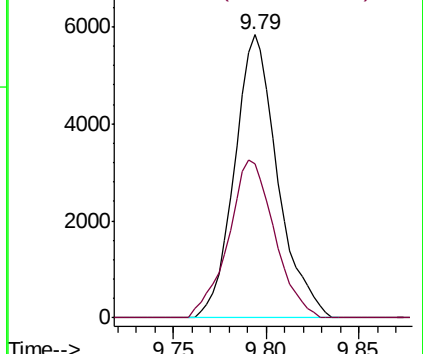
104 100

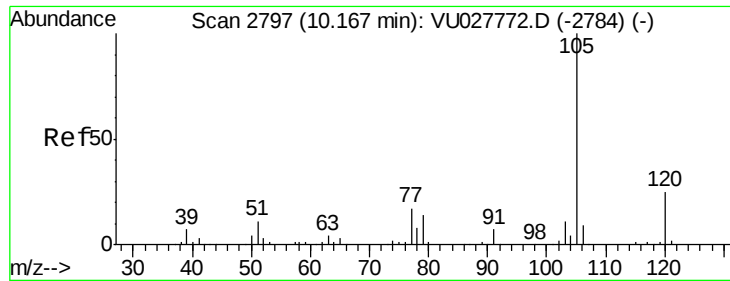
78 54.5 36.3 67.3



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 0.986 ug/L

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU027771.D

Acq: 24 Oct 2018 08:58

Instrument :

MSVOA_U

ClientSampleId :

VSTD00143

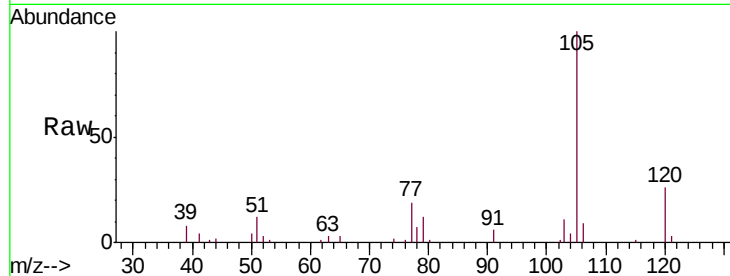
Tgt Ion: 105 Resp: 15508

Ion Ratio Lower Upper

105 100

120 25.7 19.9 29.9

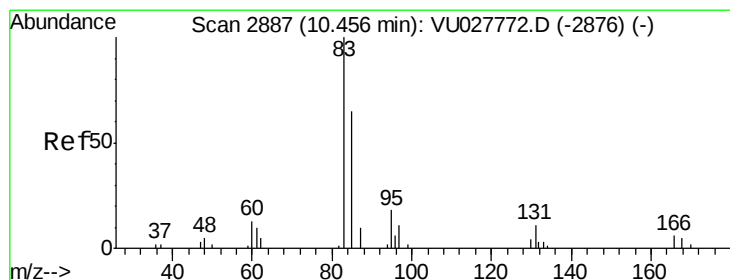
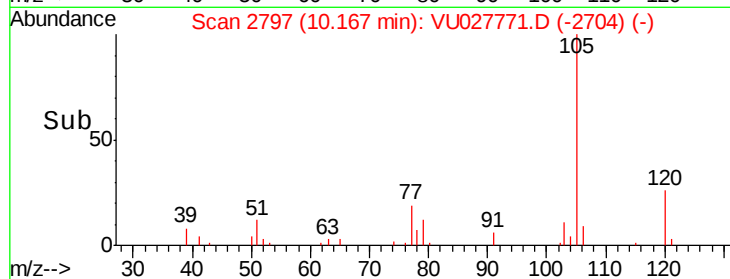
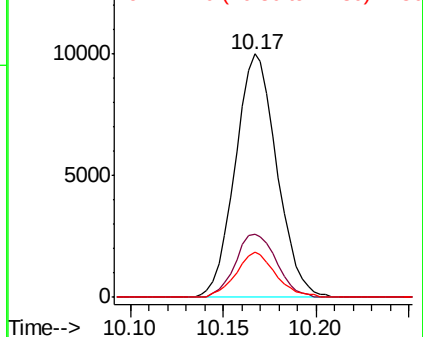
77 17.9 13.7 20.5



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 0.950 ug/L

RT: 10.46 min Scan# 2888

Delta R.T. 0.00 min

Lab File: VU027771.D

Acq: 24 Oct 2018 08:58

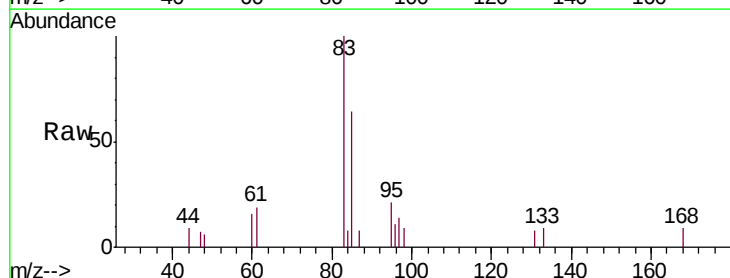
Tgt Ion: 83 Resp: 2911

Ion Ratio Lower Upper

83 100

85 63.6 45.5 84.5

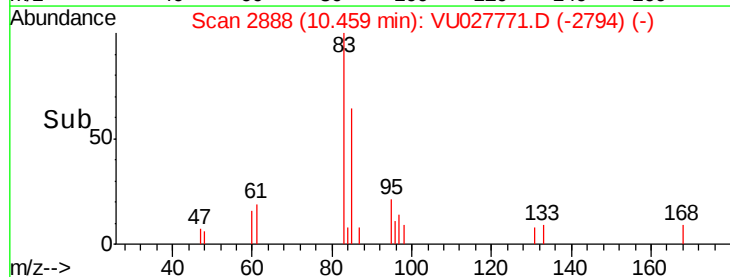
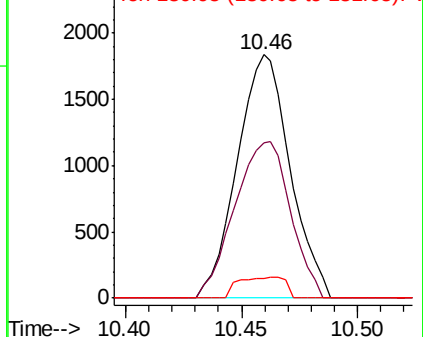
131 8.3 8.8 13.2#

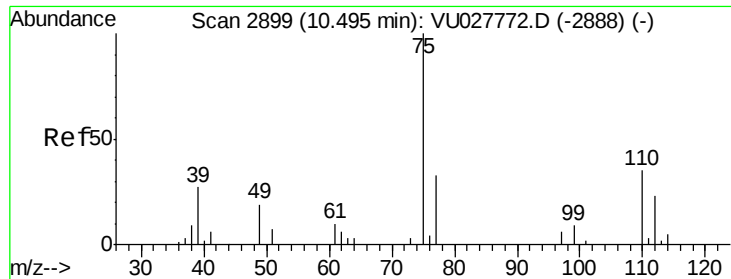


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 1.066 ug/L

RT: 10.49 min Scan# 2899

Delta R.T. 0.00 min

Lab File: VU027771.D

Acq: 24 Oct 2018 08:58

Instrument :

MSVOA_U

ClientSampleId :

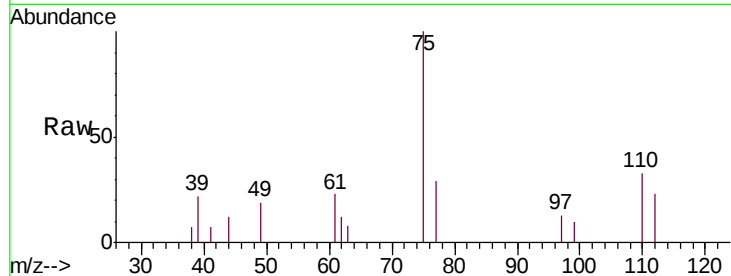
VSTD00143

Tgt Ion: 75 Resp: 2591

Ion Ratio Lower Upper

75 100

77 32.2 26.4 39.6



Abundance Ion 75.00 (74.70 to 75.70): VU027772.D (-2888) (-)

Ion 77.00 (76.70 to 77.70): VU027772.D (-2888) (-)

10.49

1500

1000

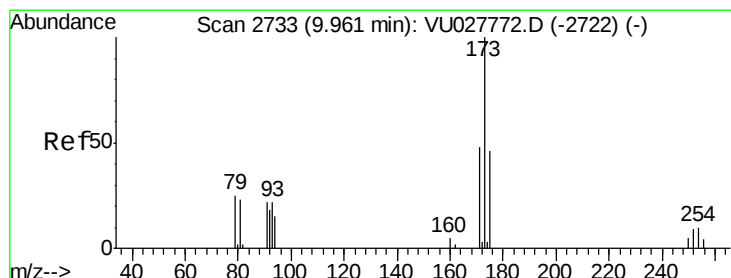
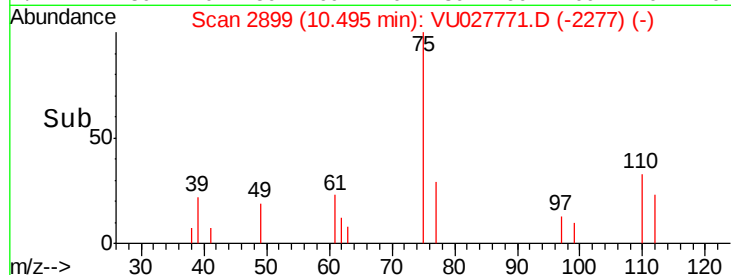
500

0

10.45

10.50

Time-->



#61

Bromoform

Concen: 0.908 ug/L

RT: 9.96 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU027771.D

Acq: 24 Oct 2018 08:58

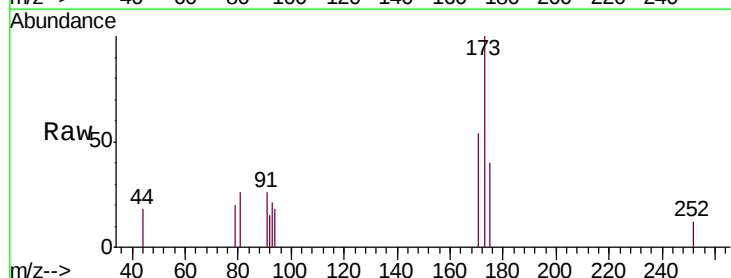
Tgt Ion: 173 Resp: 1500

Ion Ratio Lower Upper

173 100

175 44.5 37.7 56.5

254 0.0 7.2 10.8#



Abundance Ion 172.90 (172.60 to 173.60): VU027772.D (-2722) (-)

Ion 174.90 (174.60 to 175.60): VU027772.D (-2722) (-)

Ion 253.75 (253.45 to 254.45): VU027772.D (-2722) (-)

9.96

1000

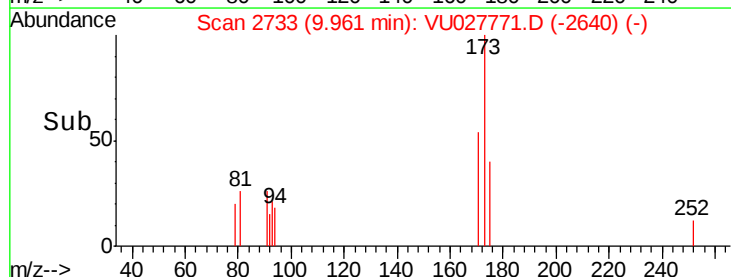
500

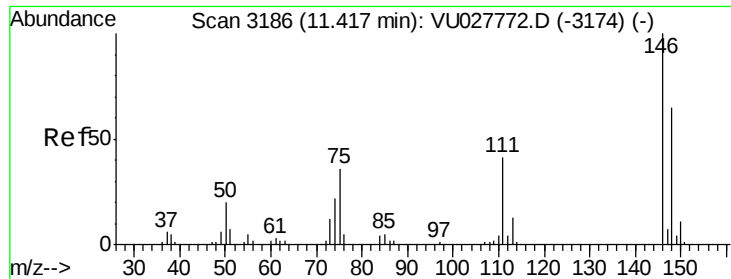
0

9.95

10.00

Time-->





#62

1,3-Dichlorobenzene

Concen: 0.994 ug/L

RT: 11.42 min Scan# 3187

Delta R.T. 0.00 min

Lab File: VU027771.D

Acq: 24 Oct 2018 08:58

Instrument :

MSVOA_U

ClientSampleId :

VSTD00143

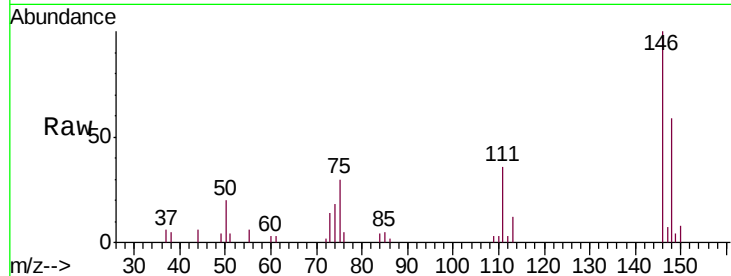
Tgt Ion:146 Resp: 6864

Ion Ratio Lower Upper

146 100

111 36.2 28.6 53.0

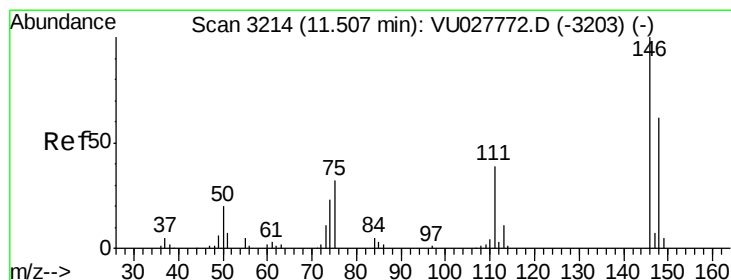
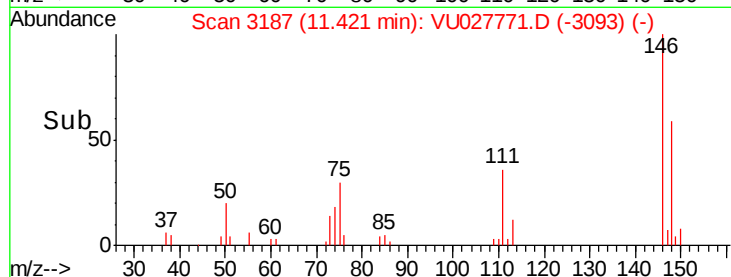
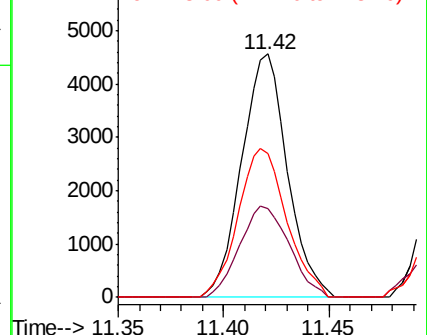
148 59.0 45.1 83.9



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 0.984 ug/L

RT: 11.51 min Scan# 3214

Delta R.T. 0.00 min

Lab File: VU027771.D

Acq: 24 Oct 2018 08:58

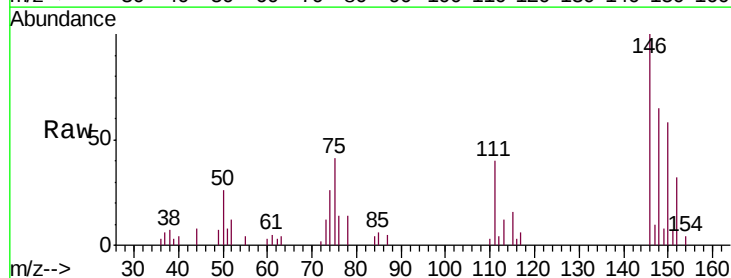
Tgt Ion:146 Resp: 6863

Ion Ratio Lower Upper

146 100

111 39.9 27.6 51.4

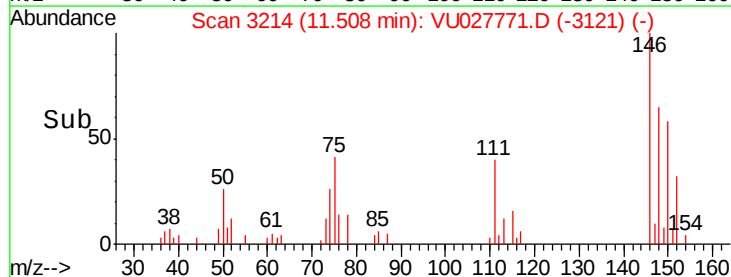
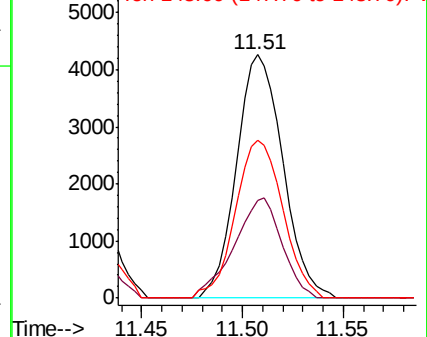
148 65.0 43.3 80.3

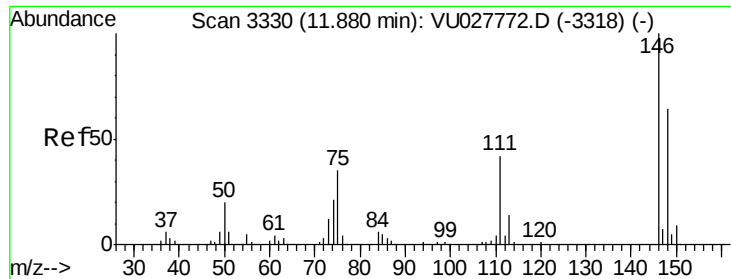


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

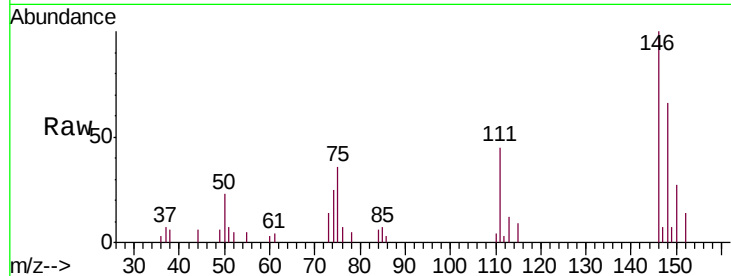




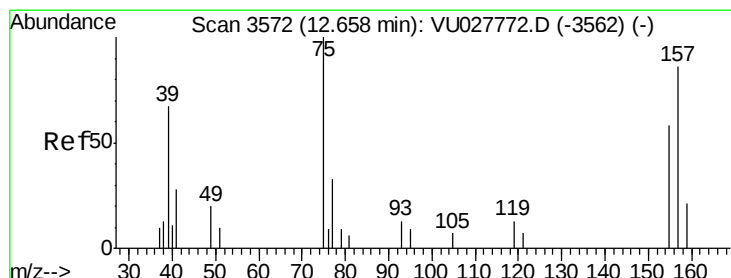
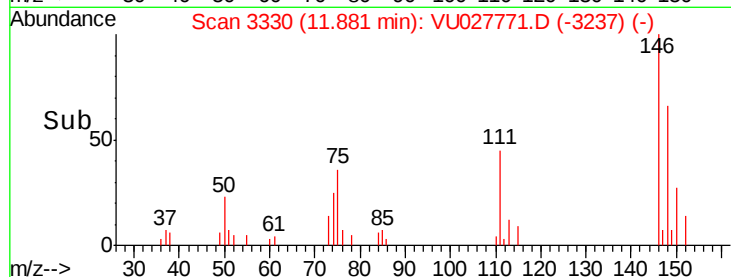
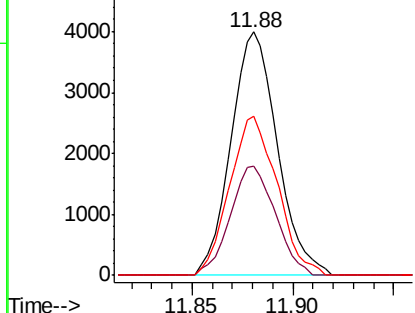
#65
 1,2-Dichlorobenzene
 Concen: 0.991 ug/L
 RT: 11.88 min Scan# 3330
 Delta R.T. 0.00 min
 Lab File: VU027771.D
 Acq: 24 Oct 2018 08:58

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00143

Tgt Ion: 146 Resp: 6436
 Ion Ratio Lower Upper
 146 100
 111 44.8 33.7 50.5
 148 65.5 50.8 76.2

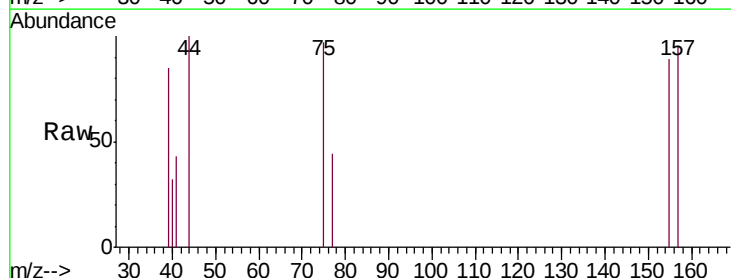


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

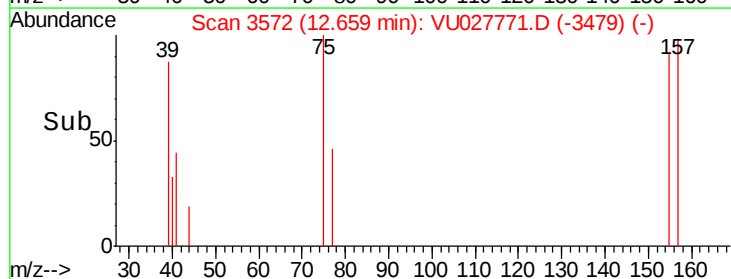
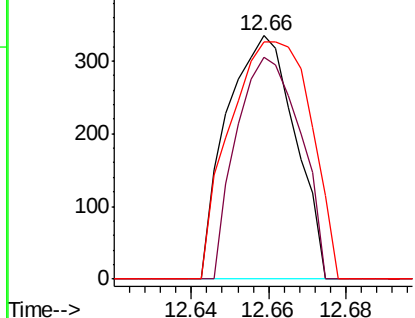


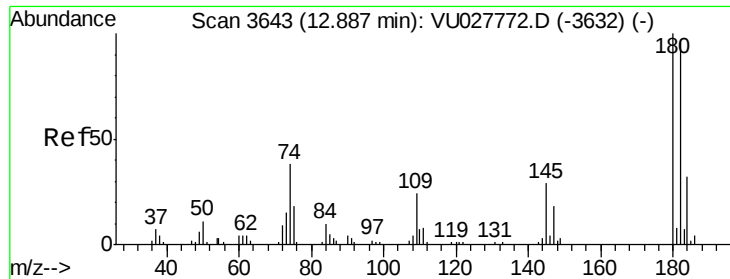
#66
 1,2-Dibromo-3-chloropropane
 Concen: 0.794 ug/L
 RT: 12.66 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VU027771.D
 Acq: 24 Oct 2018 08:58

Tgt Ion: 75 Resp: 411
 Ion Ratio Lower Upper
 75 100
 155 91.3 46.2 69.2#
 157 97.6 68.9 103.3



Abundance Ion 75.05 (74.75 to 75.75): VU0
 Ion 154.95 (154.65 to 155.65): V
 Ion 156.90 (156.60 to 157.60): V

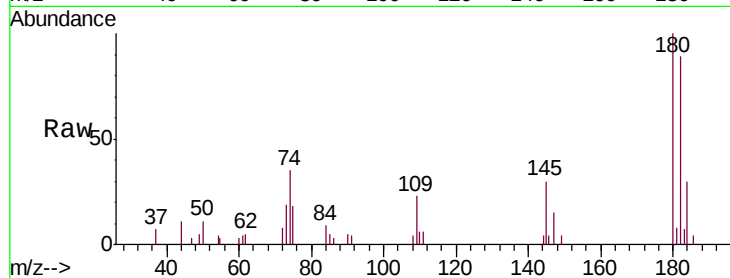




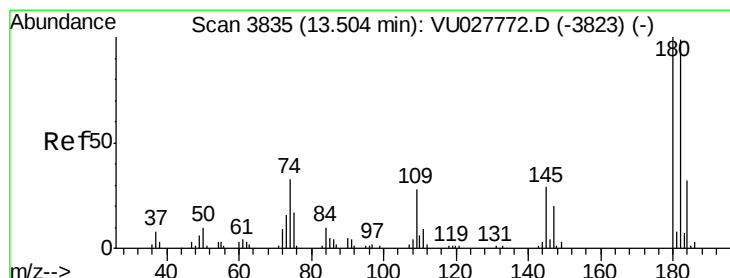
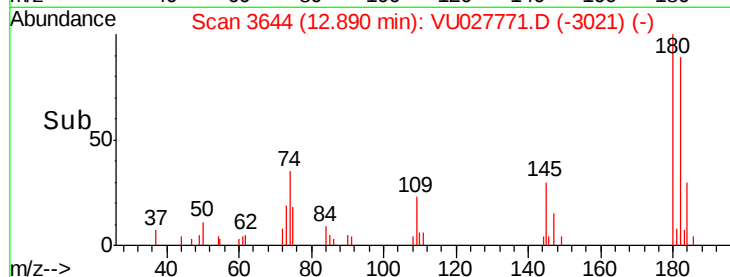
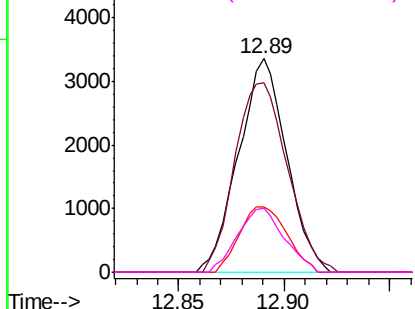
#67
 1,3,5-Trichlorobenzene
 Concen: 0.963 ug/L
 RT: 12.89 min Scan# 3644
 Delta R.T. 0.00 min
 Lab File: VU027771.D
 Acq: 24 Oct 2018 08:58

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00143

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.6	78.9	118.3
184	30.2	24.6	37.0
145	29.0	23.4	35.0

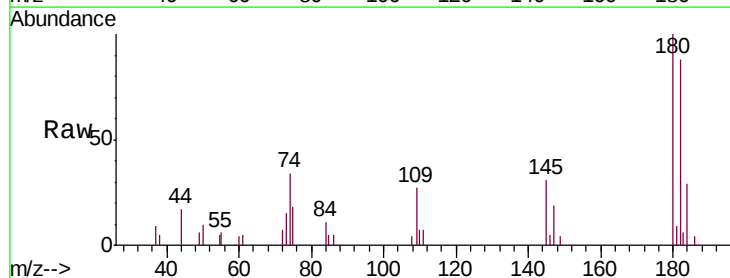


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

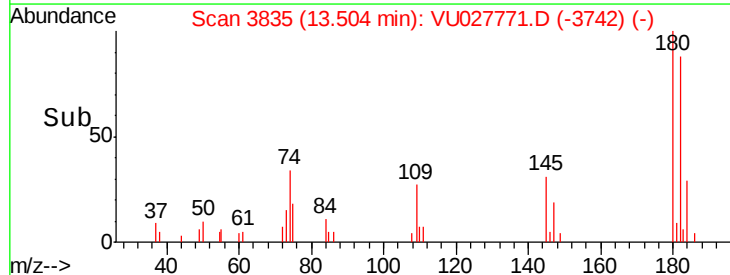
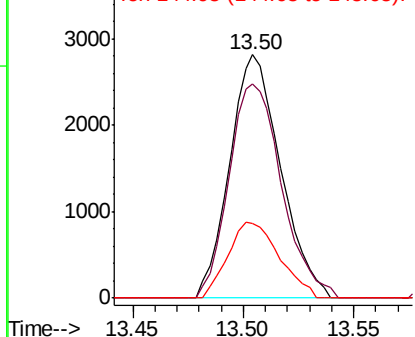


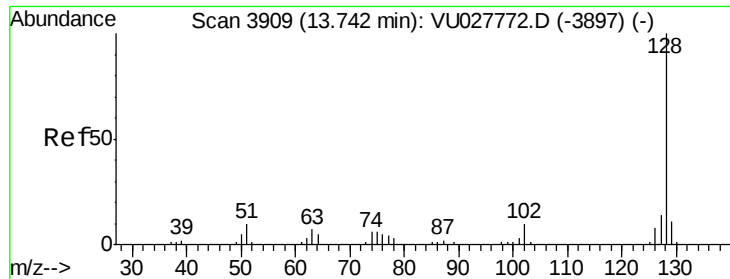
#68
 1,2,4-trichlorobenzene
 Concen: 0.937 ug/L
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.00 min
 Lab File: VU027771.D
 Acq: 24 Oct 2018 08:58

Tgt Ion	Ratio	Lower	Upper
180	100		
182	91.3	77.6	116.4
145	31.4	23.7	35.5



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: 0.941 ug/L

RT: 13.75 min Scan# 3910

Delta R.T. 0.00 min

Lab File: VU027771.D

Acq: 24 Oct 2018 08:58

Instrument :

MSVOA_U

ClientSampleId :

VSTD00143

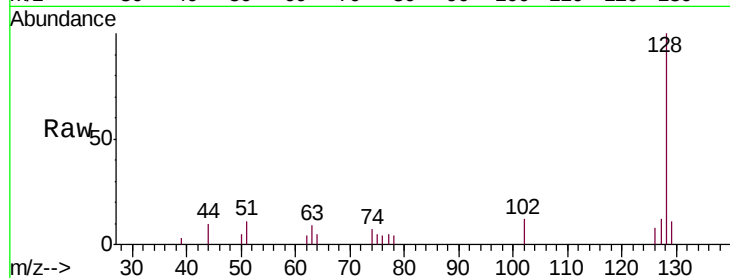
Tgt Ion:128 Resp: 7355

Ion Ratio Lower Upper

128 100

129 9.7 8.8 13.2

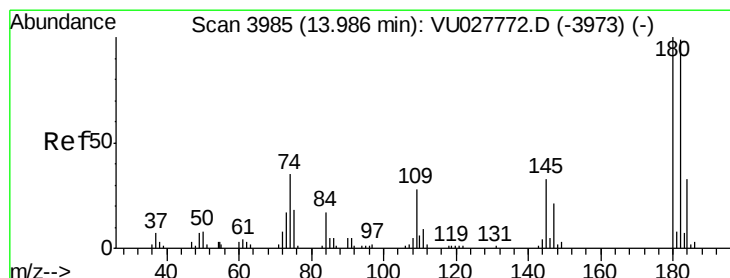
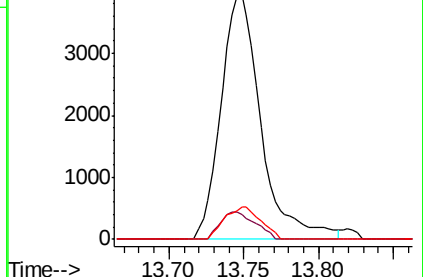
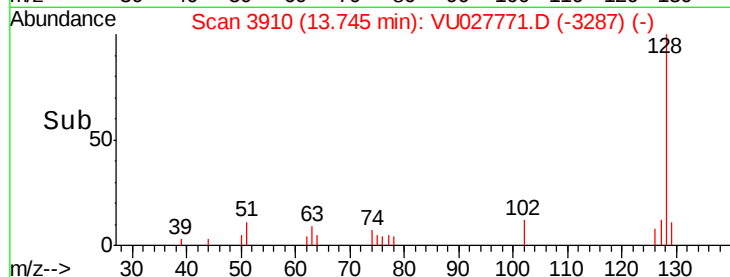
127 11.8 10.7 16.1



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: 0.938 ug/L

RT: 13.99 min Scan# 3986

Delta R.T. 0.00 min

Lab File: VU027771.D

Acq: 24 Oct 2018 08:58

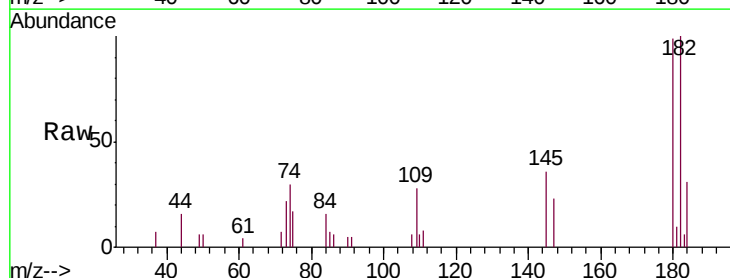
Tgt Ion:180 Resp: 4160

Ion Ratio Lower Upper

180 100

182 103.8 76.9 115.3

145 33.0 24.6 37.0



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

