

Data File : VU027774.D
Acq On : 24 Oct 2018 10:10
Operator : MD/SY
Sample : VSTD02046
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD02046

Quant Time: Oct 25 04:16:58 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	40868	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	41924	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	22363	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	71203	21.36	ug/L	0.00
7) Chloroethane-d5	1.68	69	52083	20.66	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.28	63	133118	20.89	ug/L	0.00
20) 2-Butanone-d5	4.19	46	221928	219.10	ug/L	0.00
24) Chloroform-d	4.65	84	126152	21.24	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	73438	20.75	ug/L	0.00
32) Benzene-d6	5.34	84	232376	20.79	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.33	67	81772	20.61	ug/L	0.00
41) Toluene-d8	7.57	98	223136	20.93	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	35901	22.29	ug/L	0.00
46) 2-Hexanone-d5	8.31	63	194746	219.29	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.43	84	65005	21.56	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	86358	20.50	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	82393	20.789 ug/L	99
3) Chloromethane	1.33	50	91345	20.524 ug/L	97
5) Vinyl chloride	1.40	62	87435	20.411 ug/L	99
6) Bromomethane	1.62	94	45168	20.569 ug/L	98
8) Chloroethane	1.69	64	47419	20.480 ug/L	95
9) Trichlorofluoromethane	1.88	101	115845	20.457 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	59306	20.746 ug/L	97
12) 1,1-Dichloroethene	2.29	96	54150	20.328 ug/L	97
13) Acetone	2.32	43	138701	189.946 ug/L	99
14) Carbon disulfide	2.48	76	185422	20.277 ug/L	100
15) Methyl Acetate	2.62	43	35048	17.155 ug/L	96
16) Methylene chloride	2.70	84	61282	19.505 ug/L	98
17) Methyl tert-butyl Ether	3.01	73	171219	20.079 ug/L	99
18) trans-1,2-Dichloroethene	2.98	96	58887	20.628 ug/L	94
19) 1,1-Dichloroethane	3.45	63	125228	19.840 ug/L	97
21) 2-Butanone	4.28	43	241032	201.176 ug/L	99
22) cis-1,2-Dichloroethene	4.22	96	68232	20.123 ug/L	99
23) Bromochloromethane	4.55	128	28507	20.738 ug/L	98
25) Chloroform	4.68	83	128634	20.239 ug/L	99
27) 1,2-Dichloroethane	5.41	62	94915	20.217 ug/L	100
29) 1,1,1-Trichloroethane	4.92	97	117853	19.544 ug/L	99
30) Cyclohexane	4.99	56	131459	19.463 ug/L	98
31) Carbon tetrachloride	5.13	117	102956	19.898 ug/L	100
33) Benzene	5.39	78	272331	19.548 ug/L	100
34) Trichloroethene	6.19	95	72783	20.165 ug/L	97
35) Methylcyclohexane	6.41	83	121524	20.148 ug/L	98
37) 1,2-Dichloropropane	6.43	63	79362	19.401 ug/L	100
38) Bromodichloromethane	6.76	83	100018	20.479 ug/L	93
39) cis-1,3-Dichloropropene	7.27	75	119340	20.369 ug/L	100
40) 4-Methyl-2-pentanone	7.47	43	610573	199.658 ug/L	100

Data File : VU027774.D
Acq On : 24 Oct 2018 10:10
Operator : MD/SY
Sample : VSTD02046
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD02046

Quant Time: Oct 25 04:16:58 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

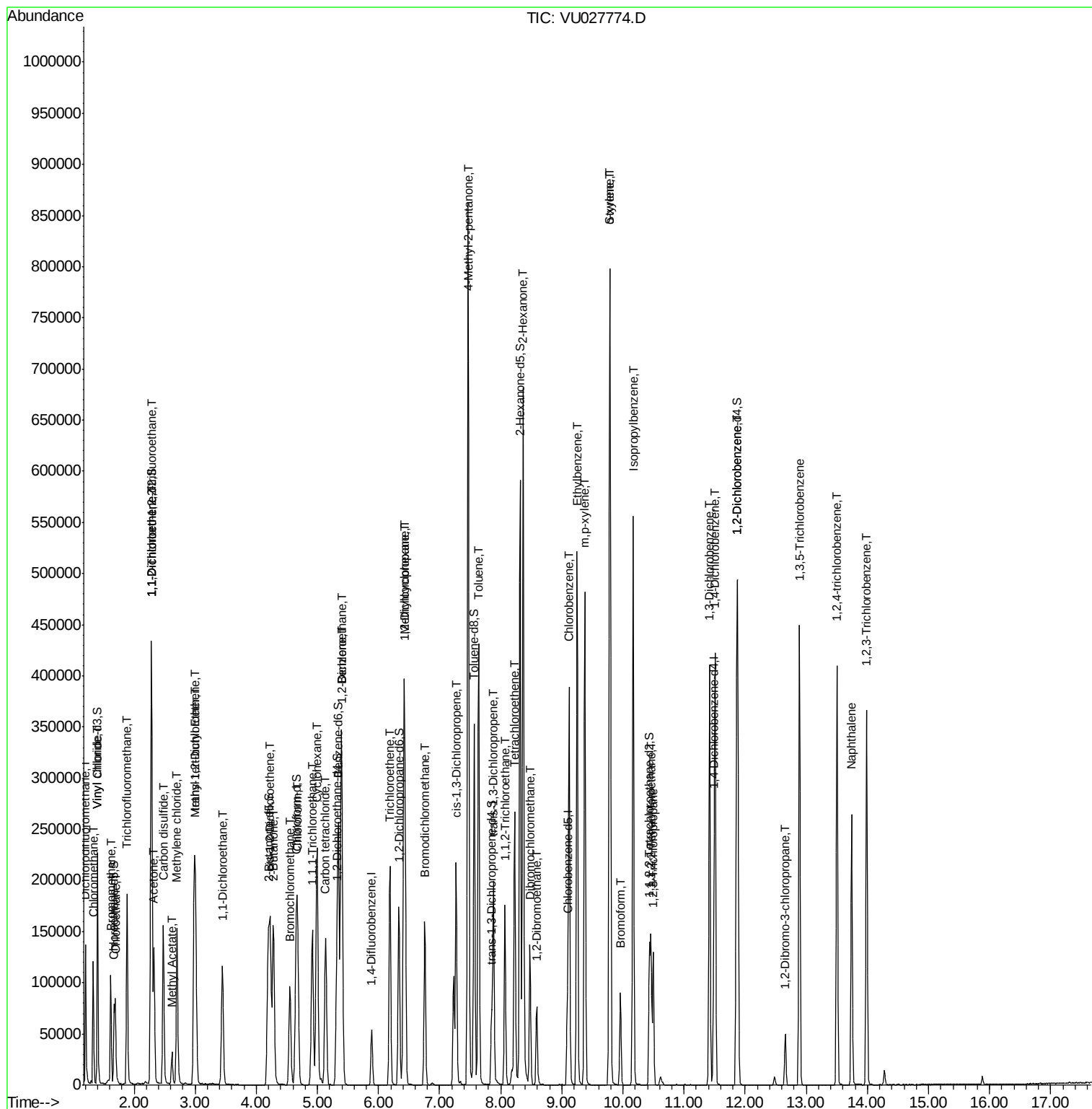
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.64	91	298566	19.909	ug/L	97
44) trans-1,3-Dichloropropene	7.88	75	105648	21.411	ug/L	96
45) 1,1,2-Trichloroethane	8.07	97	50930	20.629	ug/L	99
47) Tetrachloroethene	8.23	164	56519	19.276	ug/L	98
48) 2-Hexanone	8.37	43	446903	205.670	ug/L	100
49) Dibromochloromethane	8.48	129	67037	21.310	ug/L	95
50) 1,2-Dibromoethane	8.59	107	49537	20.643	ug/L #	98
51) Chlorobenzene	9.12	112	183317	19.856	ug/L	99
52) Ethylbenzene	9.25	91	357025	20.522	ug/L	99
53) m,p-xylene	9.38	106	126840	20.585	ug/L	95
54) o-xylene	9.78	106	121953	20.257	ug/L	99
55) Styrene	9.79	104	212765	20.865	ug/L	100
56) Isopropylbenzene	10.17	105	344368	20.658	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.46	83	68660	21.144	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	52052	20.209	ug/L	98
61) Bromoform	9.96	173	38823	20.640	ug/L	97
62) 1,3-Dichlorobenzene	11.42	146	154743	19.674	ug/L	100
63) 1,4-Dichlorobenzene	11.51	146	154626	19.470	ug/L	97
65) 1,2-Dichlorobenzene	11.88	146	146221	19.770	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.66	75	13233	22.465	ug/L #	86
67) 1,3,5-Trichlorobenzene	12.89	180	128178	20.316	ug/L	98
68) 1,2,4-trichlorobenzene	13.50	180	115386	21.055	ug/L	99
69) Naphthalene	13.74	128	194404	21.843	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	105779	20.947	ug/L	99

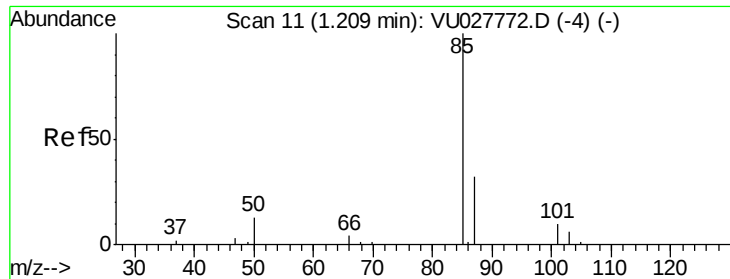
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VU027774.D
Acq On : 24 Oct 2018 10:10
Operator : MD/SY
Sample : VSTD02046
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD02046

Quant Time: Oct 25 04:16:58 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





#2

Dichlorodifluoromethane

Concen: 20.789 ug/L

RT: 1.21 min Scan# 10

Delta R.T. -0.00 min

Lab File: VU027774.D

Acq: 24 Oct 2018 10:10

Instrument :

MSVOA_U

ClientSampleId :

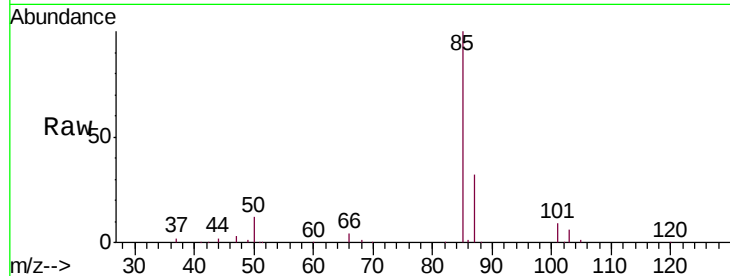
VSTD02046

Tgt Ion: 85 Resp: 82393

Ion Ratio Lower Upper

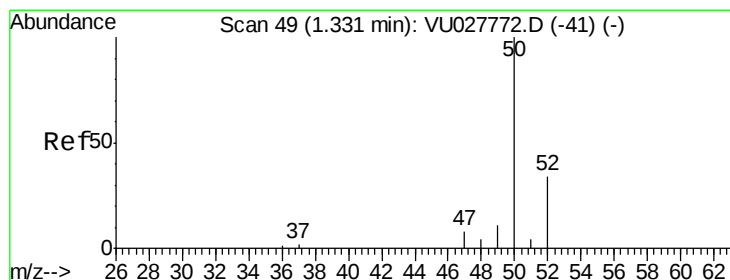
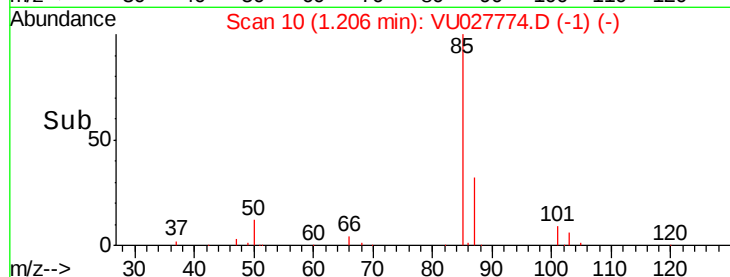
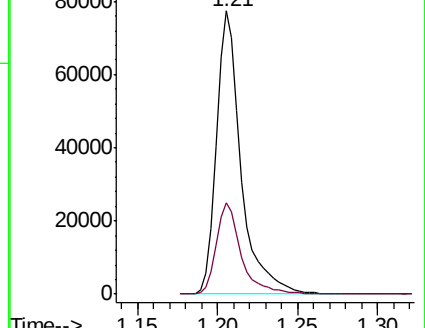
85 100

87 32.5 25.4 38.0



Abundance Ion 85.00 (84.70 to 85.70): VU027772.D (-4) (-)

Ion 87.00 (86.70 to 87.70): VU027772.D (-4) (-)



#3

Chloromethane

Concen: 20.524 ug/L

RT: 1.33 min Scan# 49

Delta R.T. 0.00 min

Lab File: VU027774.D

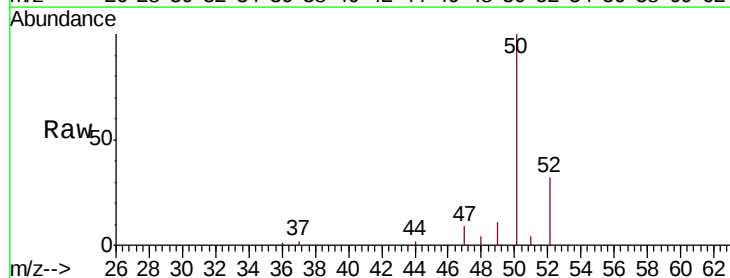
Acq: 24 Oct 2018 10:10

Tgt Ion: 50 Resp: 91345

Ion Ratio Lower Upper

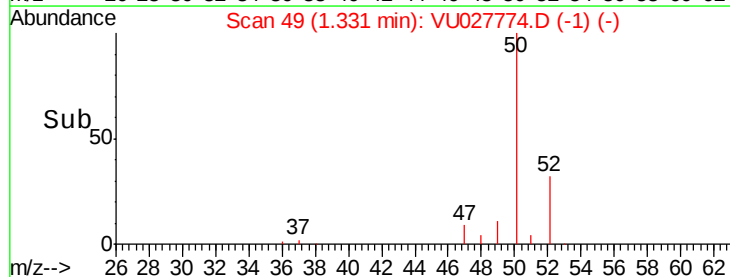
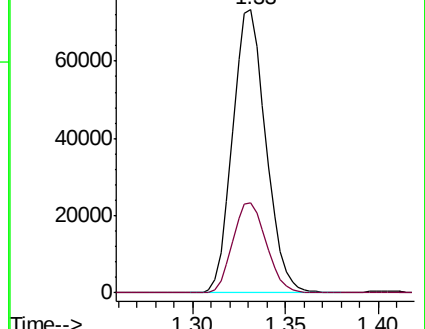
50 100

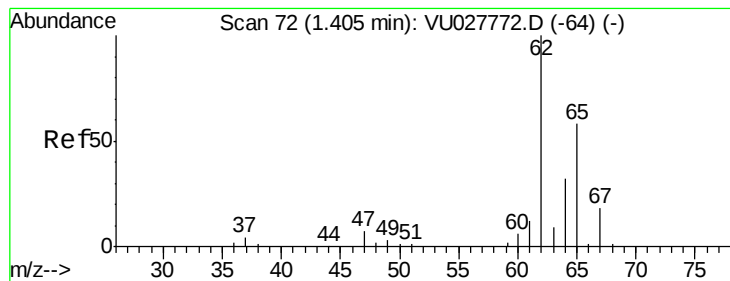
52 31.8 23.7 43.9



Abundance Ion 50.05 (49.75 to 50.75): VU027772.D (-41) (-)

Ion 52.05 (51.75 to 52.75): VU027772.D (-41) (-)





#5

Vinyl chloride

Concen: 20.411 ug/L

RT: 1.40 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU027774.D

Acq: 24 Oct 2018 10:10

Instrument :

MSVOA_U

ClientSampleId :

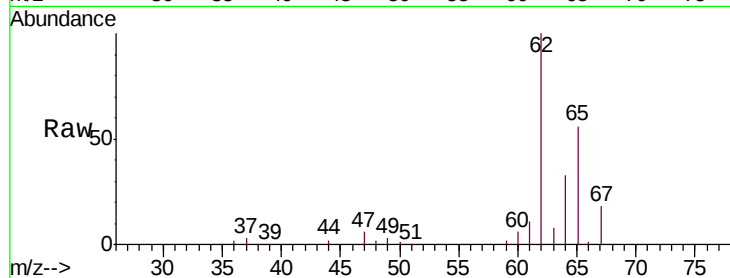
VSTD02046

Tgt Ion: 62 Resp: 87435

Ion Ratio Lower Upper

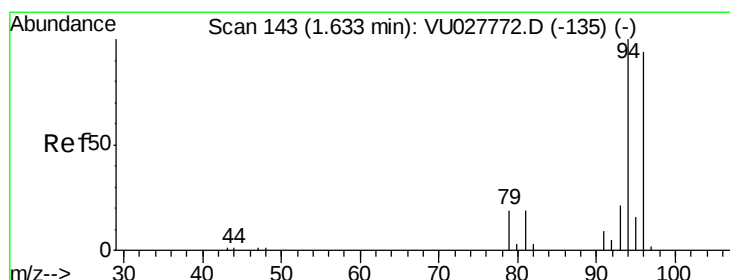
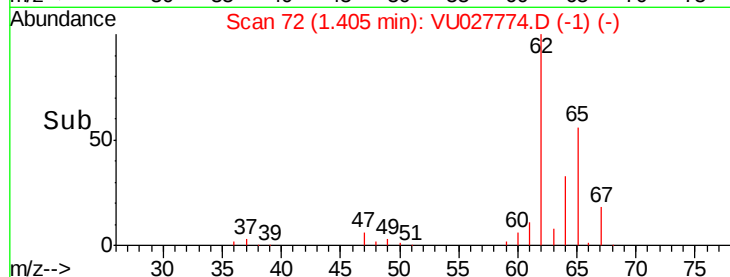
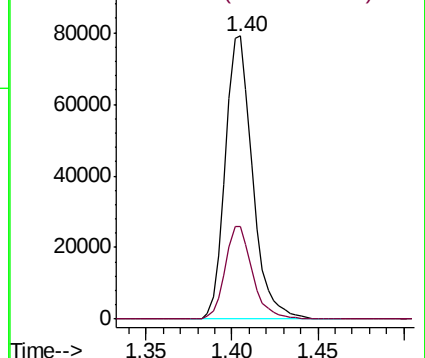
62 100

64 32.8 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: 20.569 ug/L

RT: 1.62 min Scan# 138

Delta R.T. -0.02 min

Lab File: VU027774.D

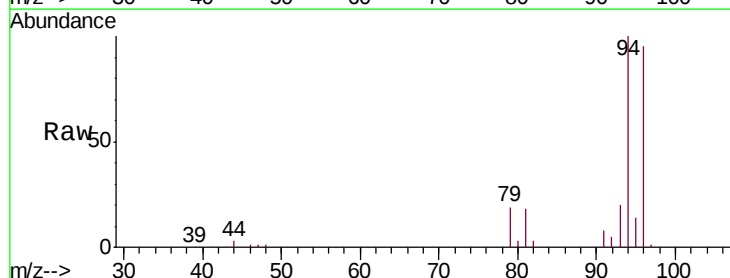
Acq: 24 Oct 2018 10:10

Tgt Ion: 94 Resp: 45168

Ion Ratio Lower Upper

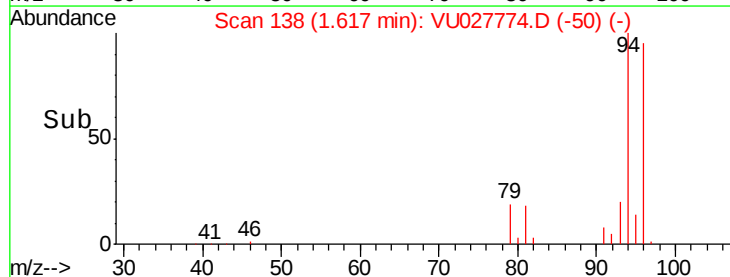
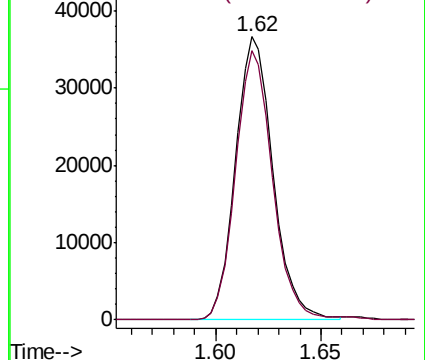
94 100

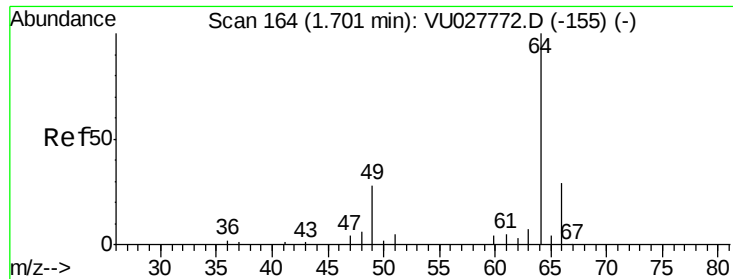
96 95.3 65.5 121.7



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 20.480 ug/L

RT: 1.69 min Scan# 162

Delta R.T. -0.01 min

Lab File: VU027774.D

Acq: 24 Oct 2018 10:10

Instrument :

MSVOA_U

ClientSampleId :

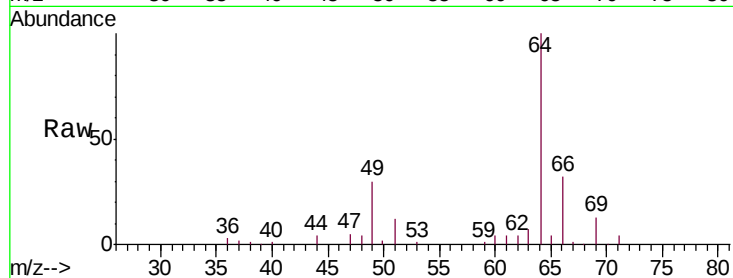
VSTD02046

Tgt Ion: 64 Resp: 47419

Ion Ratio Lower Upper

64 100

66 31.9 20.3 37.7



Abundance Ion 64.10 (63.80 to 64.80): VU027772.D (-155) (-)

Ion 66.05 (65.75 to 66.75): VU027772.D (-155) (-)

1.69

40000

30000

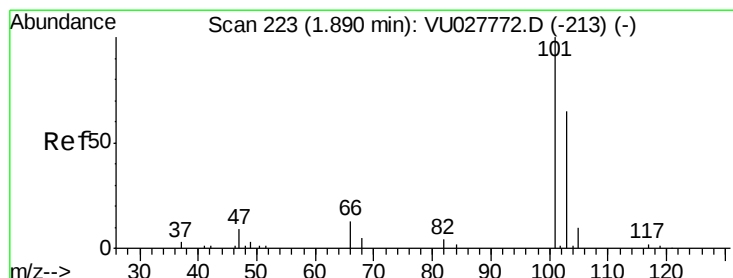
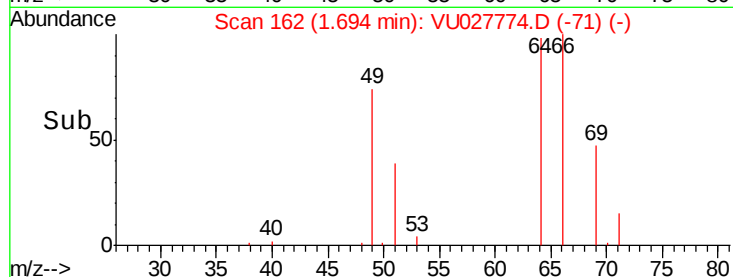
20000

10000

0

1.65 1.70 1.75 1.80

Time-->



#9

Trichlorofluoromethane

Concen: 20.457 ug/L

RT: 1.88 min Scan# 221

Delta R.T. -0.01 min

Lab File: VU027774.D

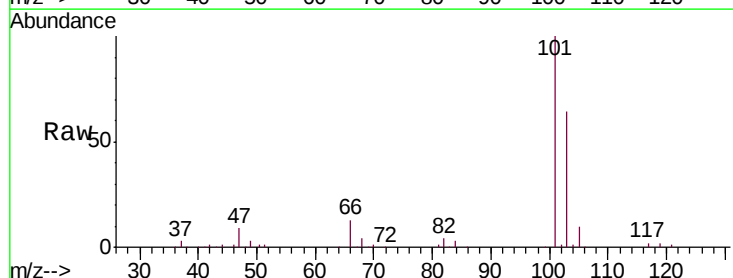
Acq: 24 Oct 2018 10:10

Tgt Ion: 101 Resp: 115845

Ion Ratio Lower Upper

101 100

103 64.6 51.0 76.4



Abundance Ion 101.00 (100.70 to 101.70): VU027772.D (-213) (-)

Ion 103.00 (102.70 to 103.70): VU027772.D (-213) (-)

1.88

80000

60000

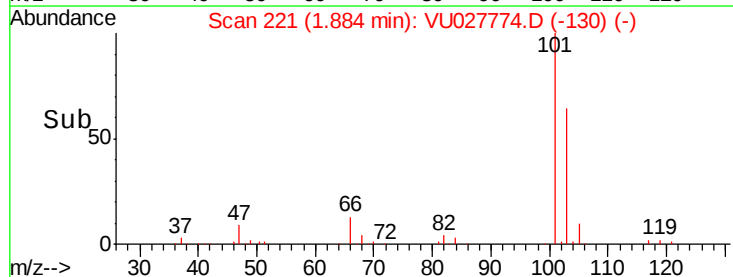
40000

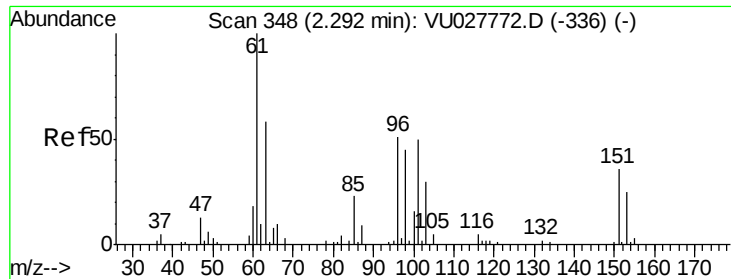
20000

0

1.80 1.85 1.90 1.95

Time-->





#10

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

Concen: 20.746 ug/L

RT: 2.29 min Scan# 347

Delta R.T. -0.00 min

Lab File: VU027774.D

Acq: 24 Oct 2018 10:10

Instrument :

MSVOA_U

ClientSampleId :

VSTD02046

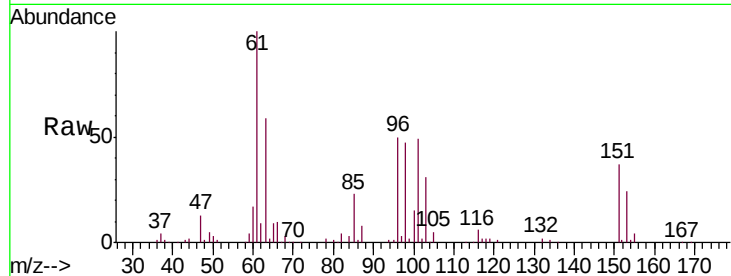
Tgt Ion:101 Resp: 59306

Ion Ratio Lower Upper

101 100

85 47.2 38.1 57.1

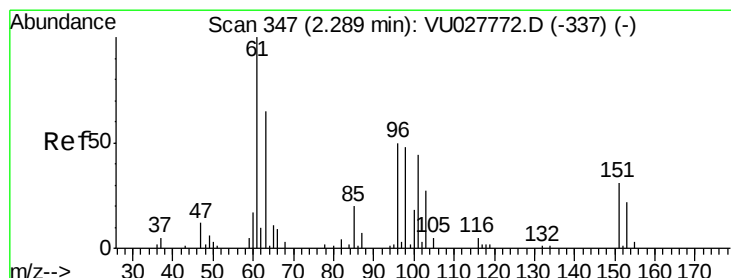
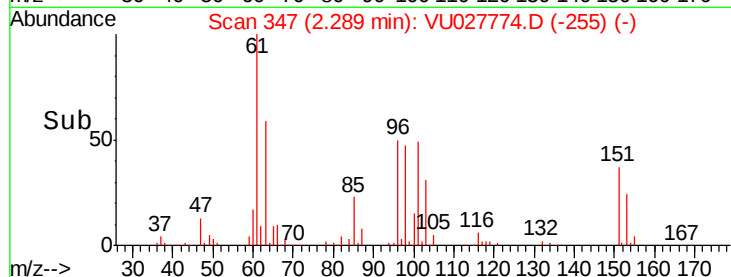
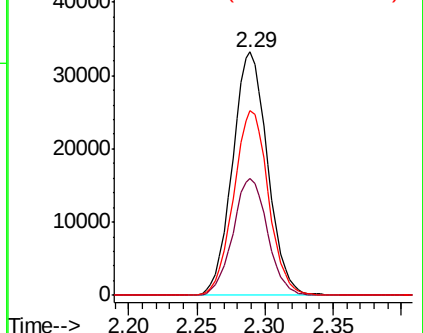
151 75.2 57.0 85.4



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: 20.328 ug/L

RT: 2.29 min Scan# 346

Delta R.T. -0.00 min

Lab File: VU027774.D

Acq: 24 Oct 2018 10:10

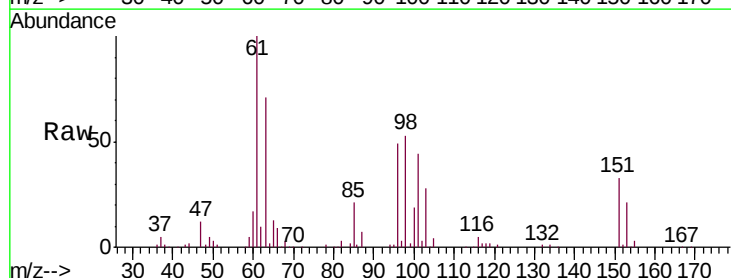
Tgt Ion: 96 Resp: 54150

Ion Ratio Lower Upper

96 100

61 202.1 143.8 267.0

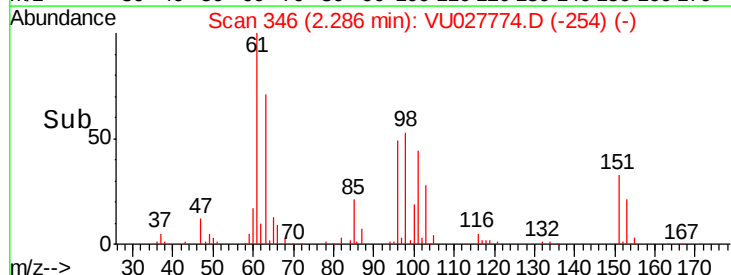
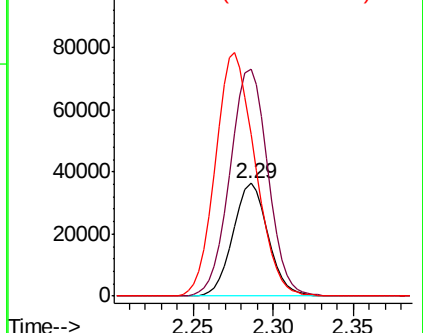
63 143.8 105.1 195.3

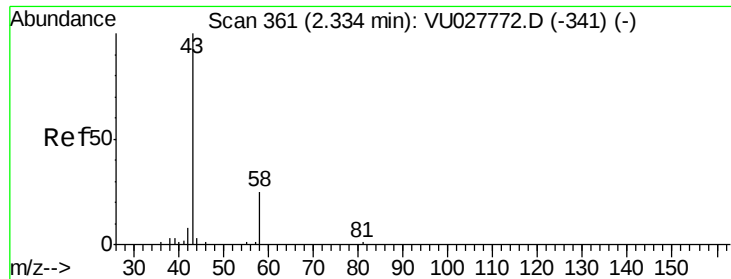


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 189.946 ug/L

RT: 2.32 min Scan# 358

Delta R.T. -0.01 min

Lab File: VU027774.D

Acq: 24 Oct 2018 10:10

Instrument :

MSVOA_U

ClientSampleId :

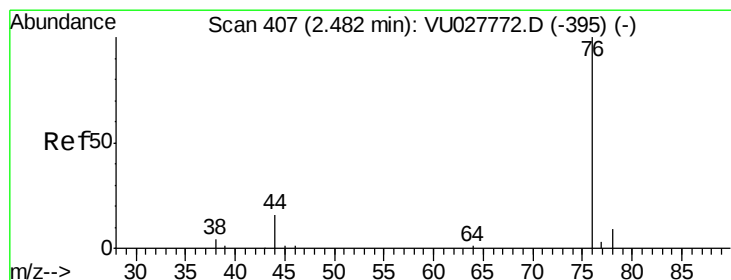
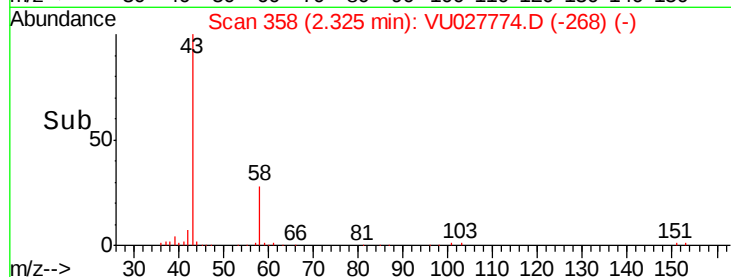
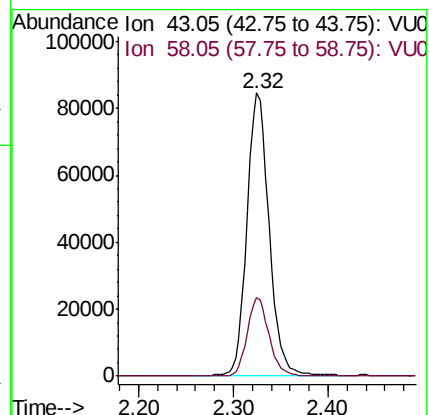
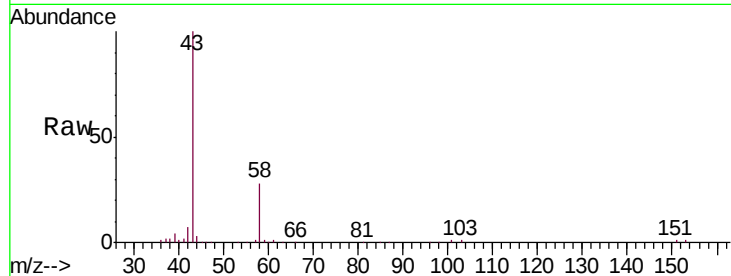
VSTD02046

Tgt Ion: 43 Resp: 138701

Ion Ratio Lower Upper

43 100

58 27.1 0.0 52.8



#14

Carbon disulfide

Concen: 20.277 ug/L

RT: 2.48 min Scan# 406

Delta R.T. -0.00 min

Lab File: VU027774.D

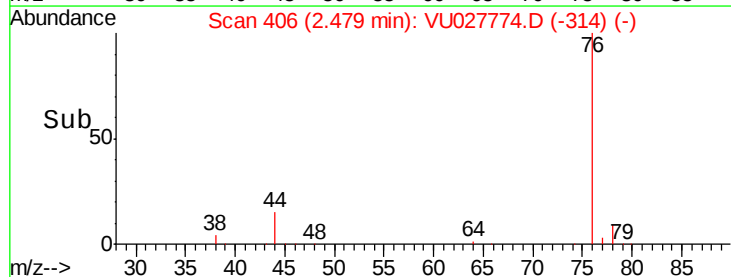
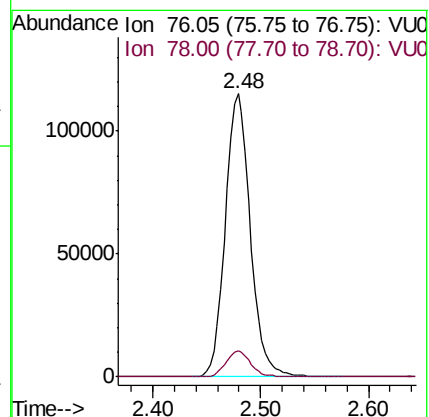
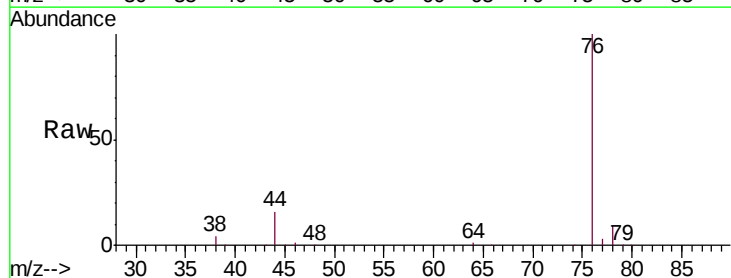
Acq: 24 Oct 2018 10:10

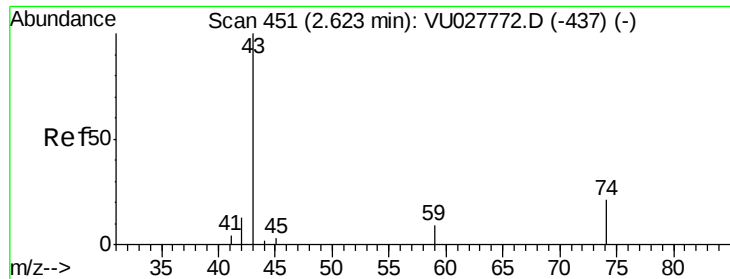
Tgt Ion: 76 Resp: 185422

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.0





#15

Methyl Acetate

Concen: 17.155 ug/L

RT: 2.62 min Scan# 450

Delta R.T. -0.00 min

Lab File: VU027774.D

Acq: 24 Oct 2018 10:10

Instrument :

MSVOA_U

ClientSampleId :

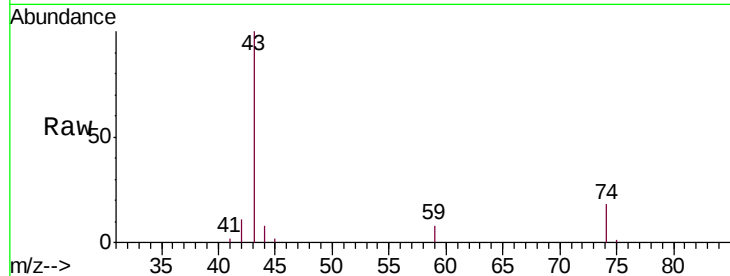
VSTD02046

Tgt Ion: 43 Resp: 35048

Ion Ratio Lower Upper

43 100

74 18.2 15.8 23.8

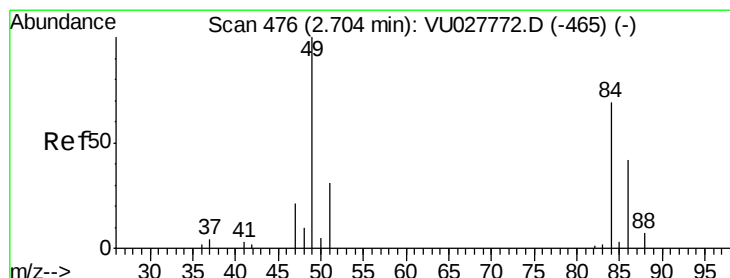
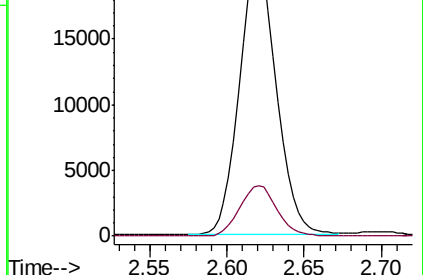
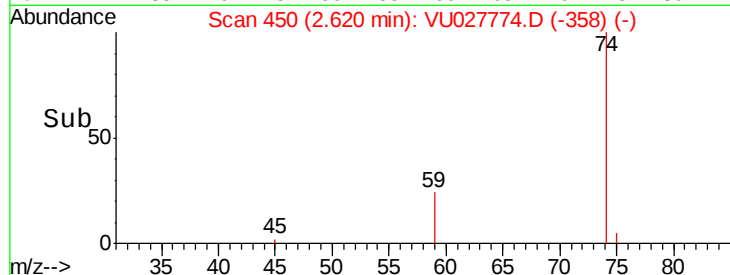


Abundance Ion 43.05 (42.75 to 43.75): VU027774.D (-358) (-)

Ion 74.05 (73.75 to 74.75): VU027774.D (-358) (-)

2.62

Time-->



#16

Methylene chloride

Concen: 19.505 ug/L

RT: 2.70 min Scan# 475

Delta R.T. -0.00 min

Lab File: VU027774.D

Acq: 24 Oct 2018 10:10

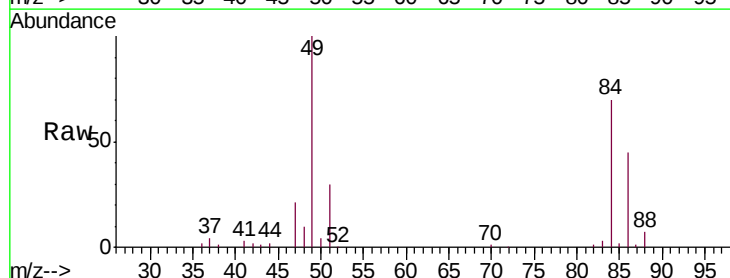
Tgt Ion: 84 Resp: 61282

Ion Ratio Lower Upper

84 100

86 64.6 42.8 79.4

49 143.7 101.4 188.4



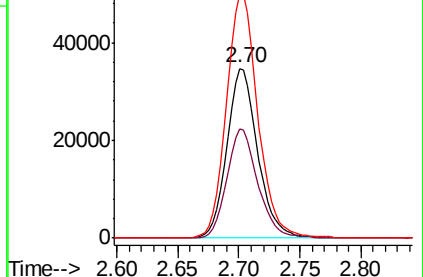
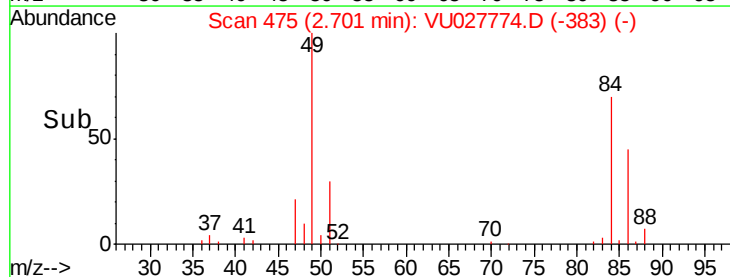
Abundance Ion 84.05 (83.75 to 84.75): VU027774.D (-383) (-)

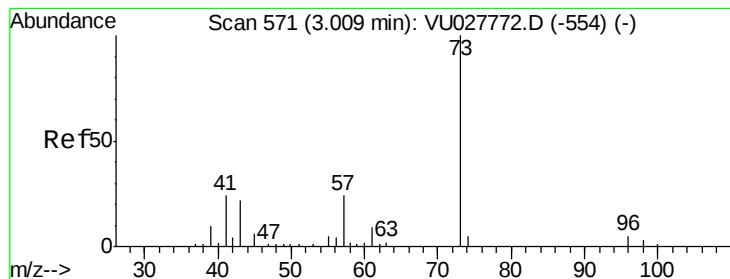
Ion 86.00 (85.70 to 86.70): VU027774.D (-383) (-)

Ion 49.10 (48.80 to 49.80): VU027774.D (-383) (-)

2.70

Time-->





#17

Methyl tert-butyl Ether

Concen: 20.079 ug/L

RT: 3.01 min Scan# 570

Delta R.T. -0.00 min

Lab File: VU027774.D

Acq: 24 Oct 2018 10:10

Instrument :

MSVOA_U

ClientSampleId :

VSTD02046

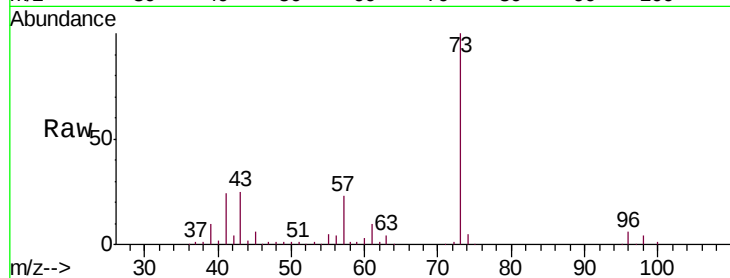
Tgt Ion: 73 Resp: 171219

Ion Ratio Lower Upper

73 100

43 24.2 18.6 28.0

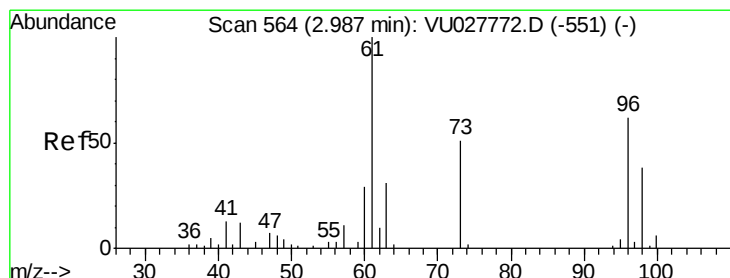
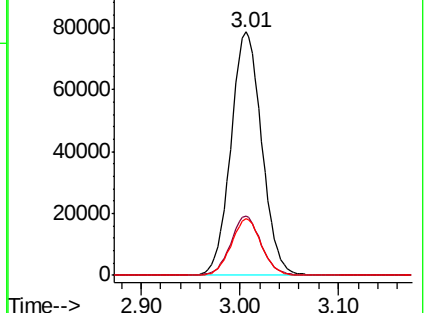
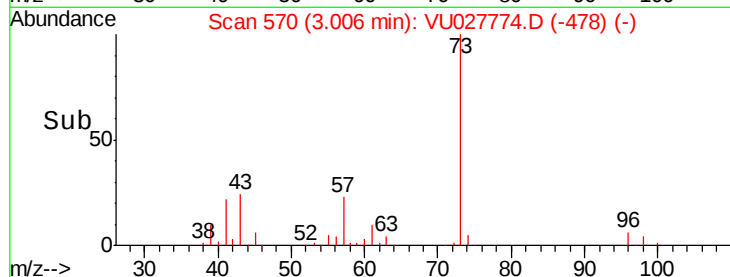
57 22.6 18.2 27.2



Abundance Ion 73.10 (72.80 to 73.80): VU027774.D (-478) (-)

Ion 43.05 (42.75 to 43.75): VU027774.D (-478) (-)

Ion 57.10 (56.80 to 57.80): VU027774.D (-478) (-)



#18

trans-1,2-Dichloroethene

Concen: 20.628 ug/L

RT: 2.98 min Scan# 562

Delta R.T. -0.01 min

Lab File: VU027774.D

Acq: 24 Oct 2018 10:10

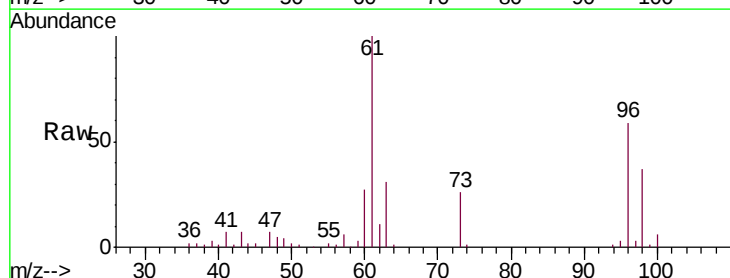
Tgt Ion: 96 Resp: 58887

Ion Ratio Lower Upper

96 100

61 168.6 112.1 208.3

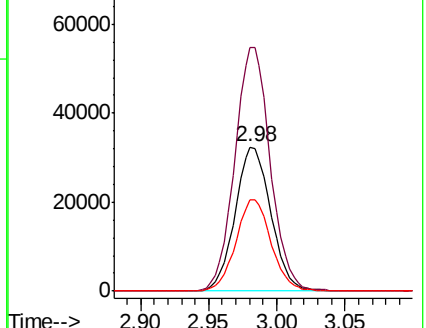
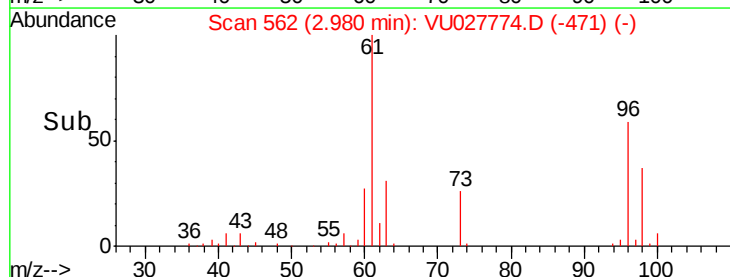
98 62.9 42.1 78.3

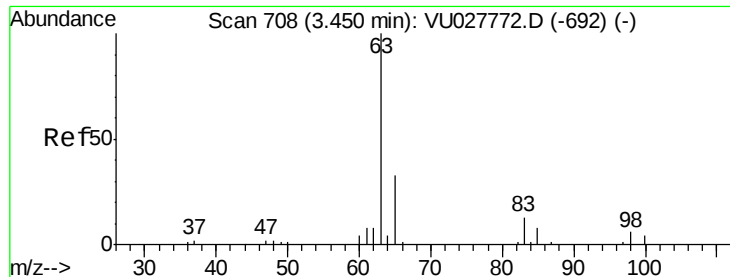


Abundance Ion 96.00 (95.70 to 96.70): VU027774.D (-471) (-)

Ion 61.05 (60.75 to 61.75): VU027774.D (-471) (-)

Ion 97.95 (97.65 to 98.65): VU027774.D (-471) (-)

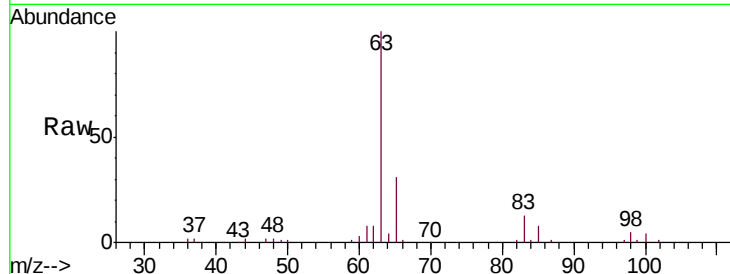




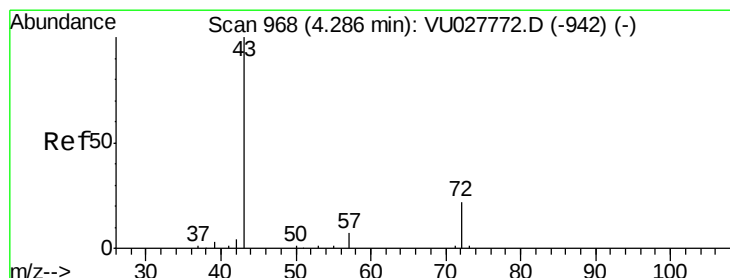
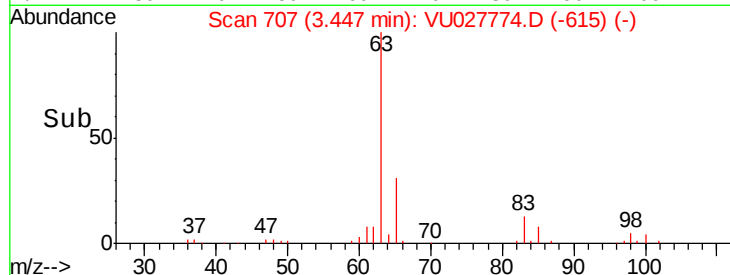
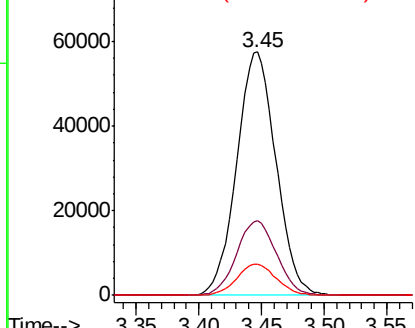
#19
 1,1-Dichloroethane
 Concen: 19.840 ug/L
 RT: 3.45 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: VU027774.D
 Acq: 24 Oct 2018 10:10

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02046

Tgt Ion: 63 Resp: 125228
 Ion Ratio Lower Upper
 63 100
 65 30.7 23.1 42.9
 83 13.0 9.2 17.0

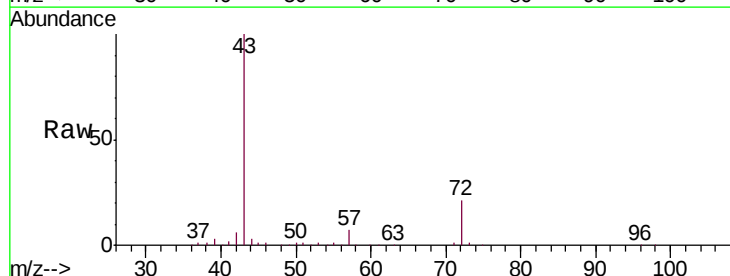


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

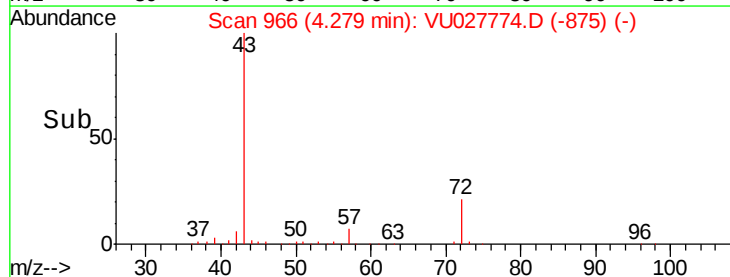
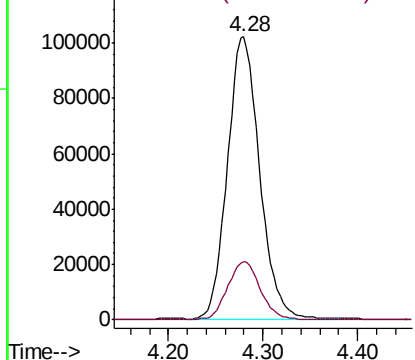


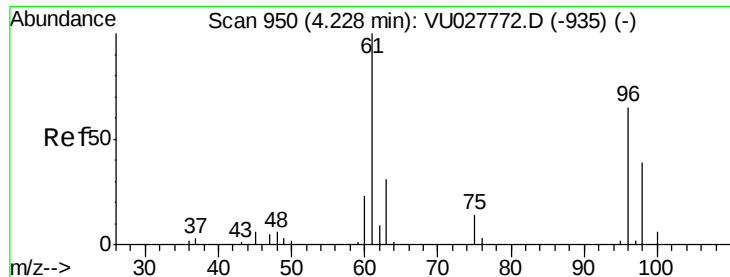
#21
 2-Butanone
 Concen: 201.176 ug/L
 RT: 4.28 min Scan# 966
 Delta R.T. -0.01 min
 Lab File: VU027774.D
 Acq: 24 Oct 2018 10:10

Tgt Ion: 43 Resp: 241032
 Ion Ratio Lower Upper
 43 100
 72 21.4 10.5 31.6



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



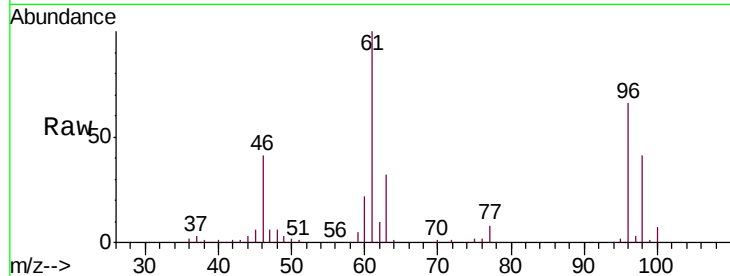


#22

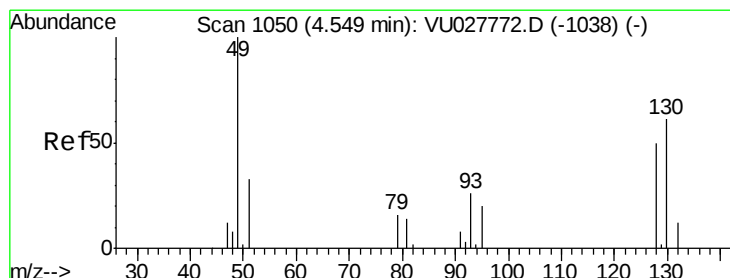
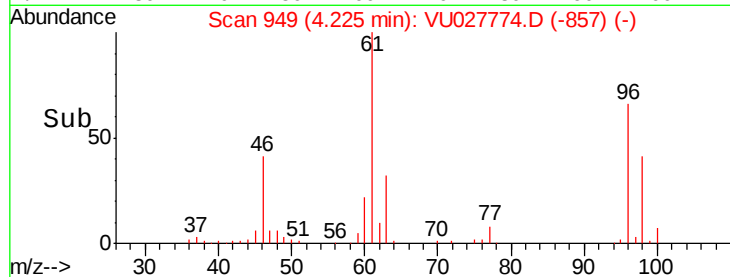
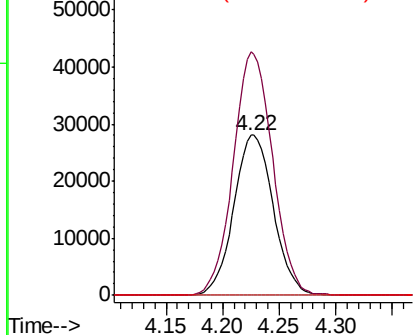
cis-1,2-Dichloroethene
 Concen: 20.123 ug/L
 RT: 4.22 min Scan# 949
 Delta R.T. -0.00 min
 Lab File: VU027774.D
 Acq: 24 Oct 2018 10:10

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02046

Tgt Ion: 96 Resp: 68232
 Ion Ratio Lower Upper
 96 100
 61 152.0 107.2 199.0
 68 0.0 0.0 0.0



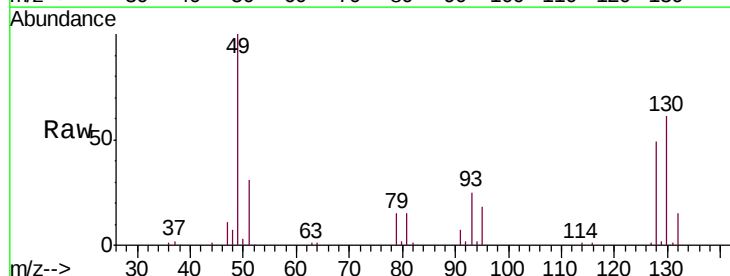
Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0



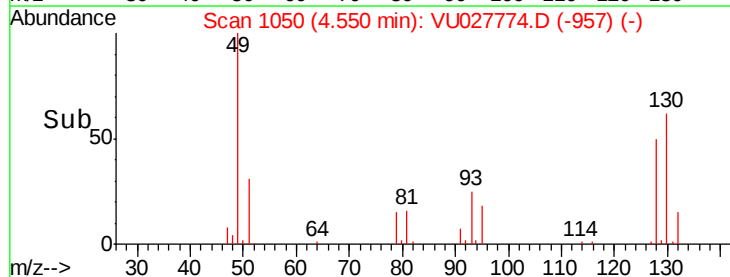
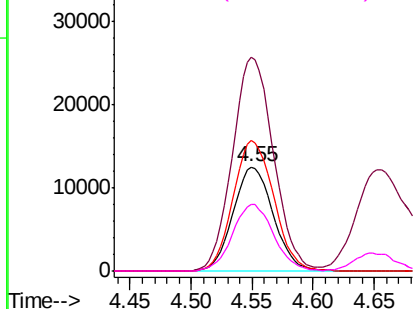
#23

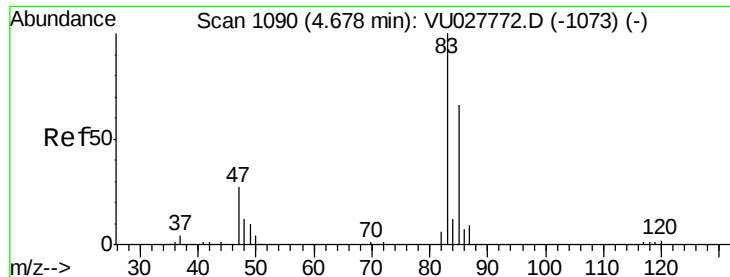
Bromochloromethane
 Concen: 20.738 ug/L
 RT: 4.55 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VU027774.D
 Acq: 24 Oct 2018 10:10

Tgt Ion: 128 Resp: 28507
 Ion Ratio Lower Upper
 128 100
 49 205.6 142.8 265.2
 130 126.0 86.0 159.8
 51 64.7 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

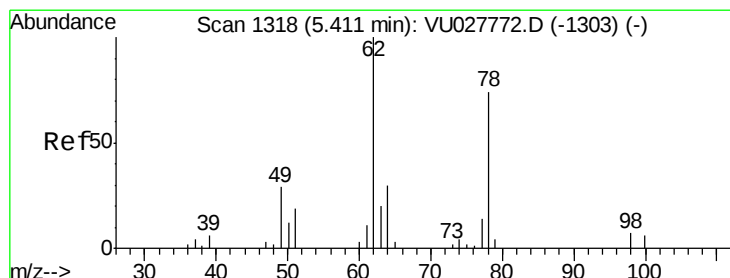
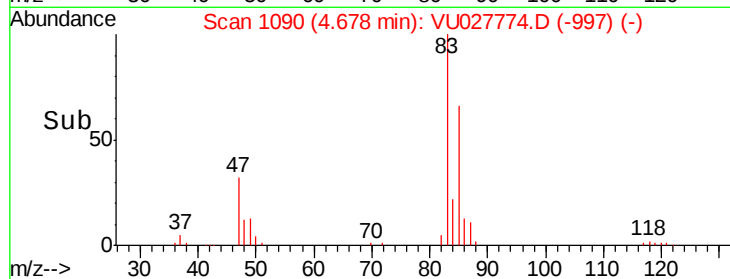
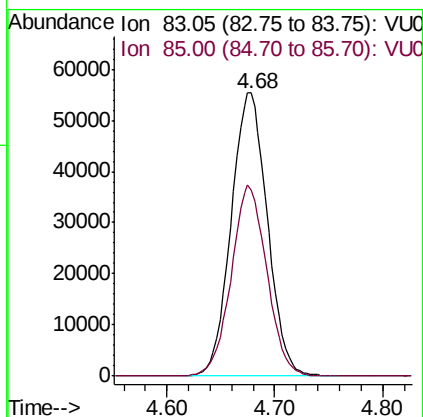
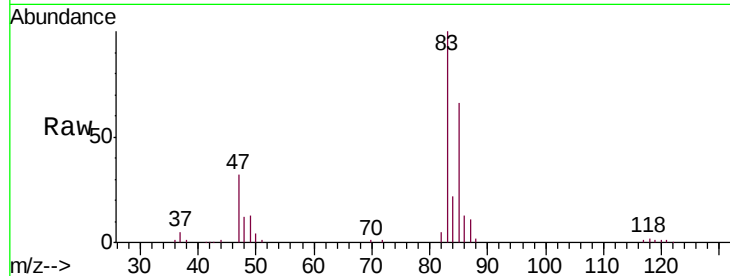




#25
Chloroform
Concen: 20.239 ug/L
RT: 4.68 min Scan# 1090
Delta R.T. 0.00 min
Lab File: VU027774.D
Acq: 24 Oct 2018 10:10

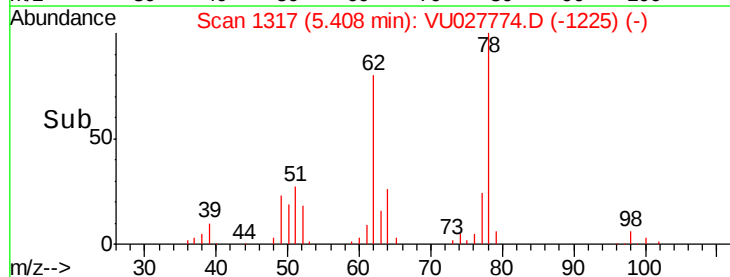
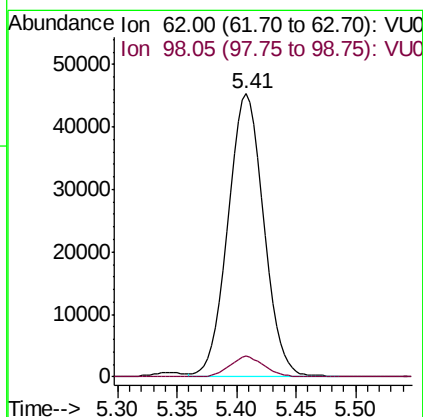
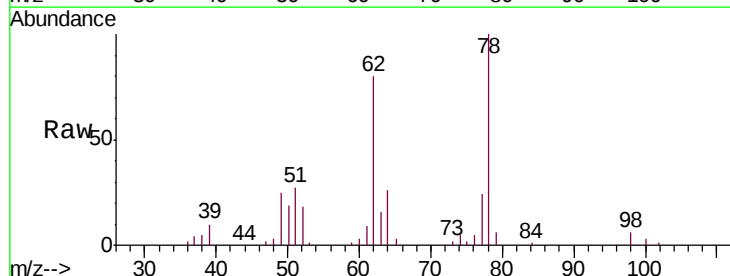
Instrument :
MSVOA_U
ClientSampleId :
VSTD02046

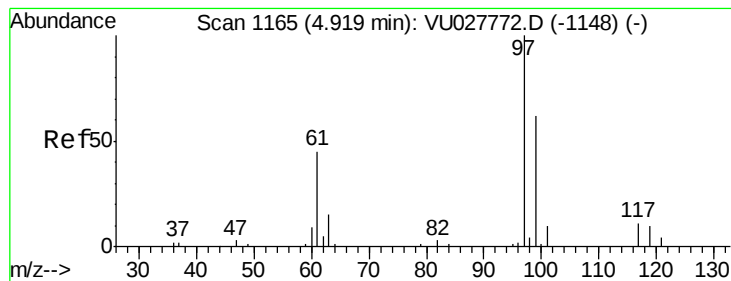
Tgt Ion: 83 Resp: 128634
Ion Ratio Lower Upper
83 100
85 65.9 45.8 85.2



#27
1,2-Dichloroethane
Concen: 20.217 ug/L
RT: 5.41 min Scan# 1317
Delta R.T. -0.00 min
Lab File: VU027774.D
Acq: 24 Oct 2018 10:10

Tgt Ion: 62 Resp: 94915
Ion Ratio Lower Upper
62 100
98 7.2 5.7 8.5





#29

1,1,1-Trichloroethane

Concen: 19.544 ug/L

RT: 4.92 min Scan# 1164

Delta R.T. -0.00 min

Lab File: VU027774.D

Acq: 24 Oct 2018 10:10

Instrument :

MSVOA_U

ClientSampleId :

VSTD02046

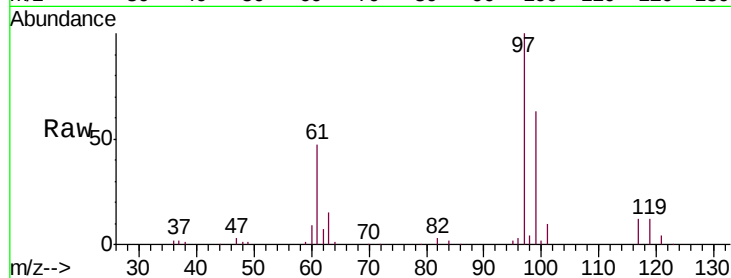
Tgt Ion: 97 Resp: 117853

Ion Ratio Lower Upper

97 100

99 64.2 51.3 76.9

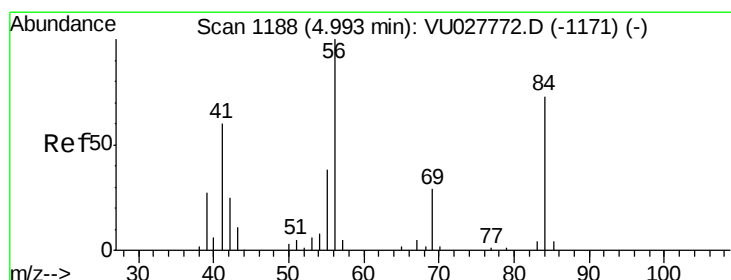
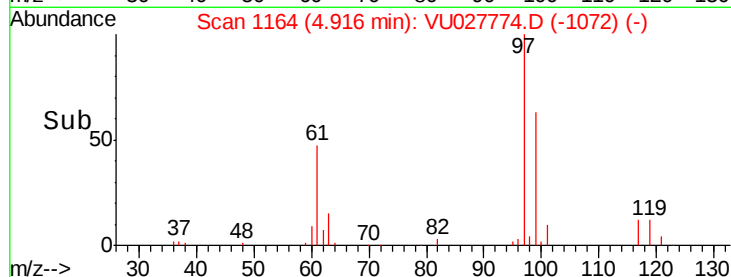
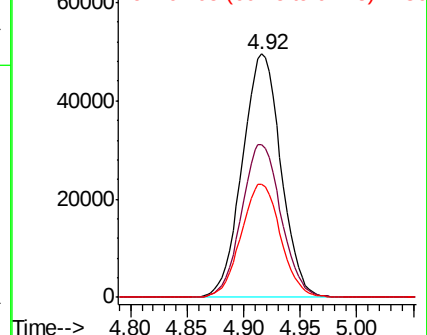
61 47.5 36.7 55.1



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: 19.463 ug/L

RT: 4.99 min Scan# 1188

Delta R.T. 0.00 min

Lab File: VU027774.D

Acq: 24 Oct 2018 10:10

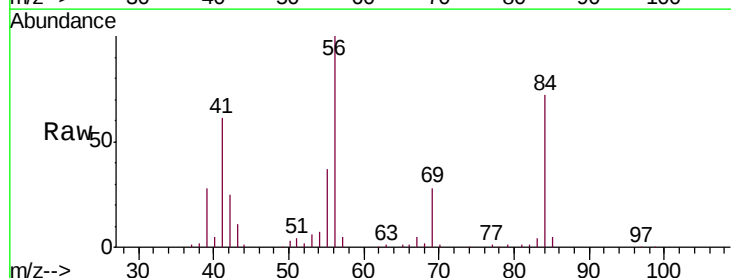
Tgt Ion: 56 Resp: 131459

Ion Ratio Lower Upper

56 100

69 28.1 22.2 33.4

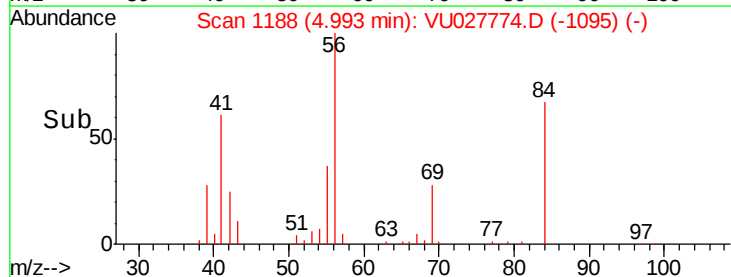
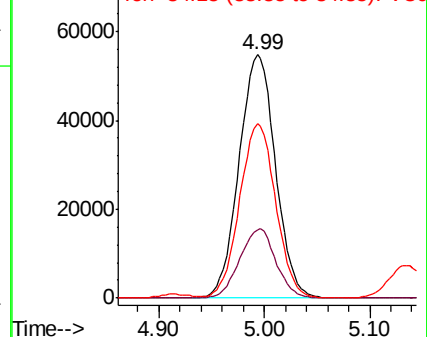
84 71.1 58.6 88.0

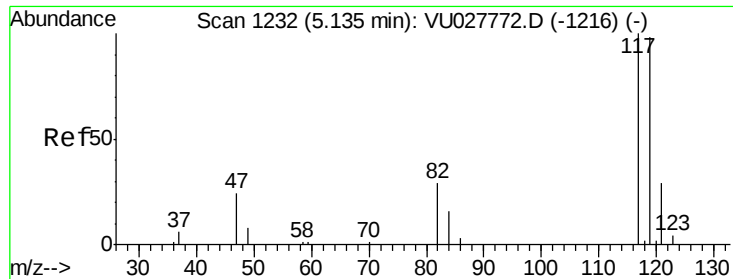


Abundance Ion 56.10 (55.80 to 56.80): VU0

Ion 69.15 (68.85 to 69.85): VU0

Ion 84.15 (83.85 to 84.85): VU0

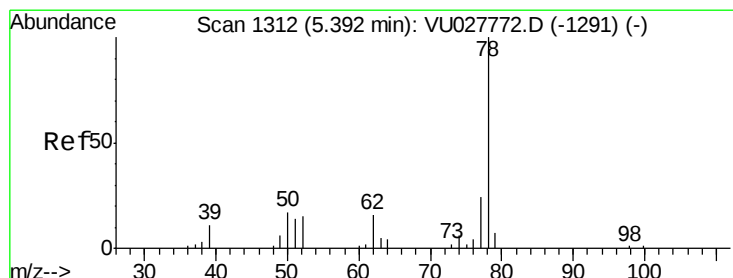
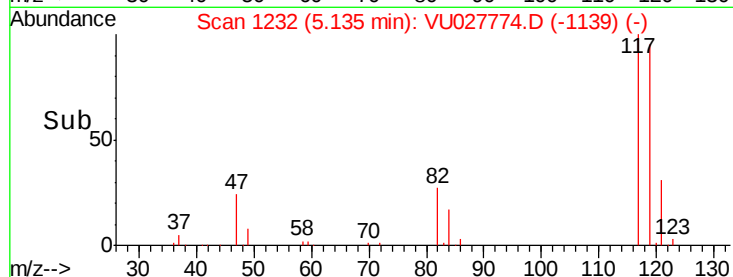
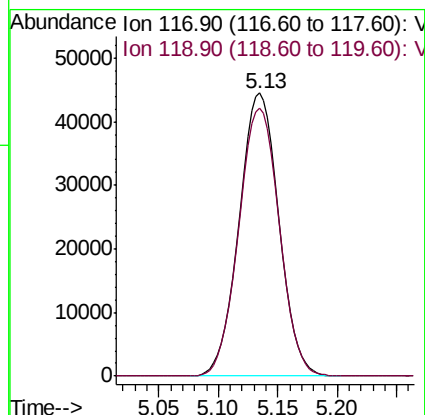
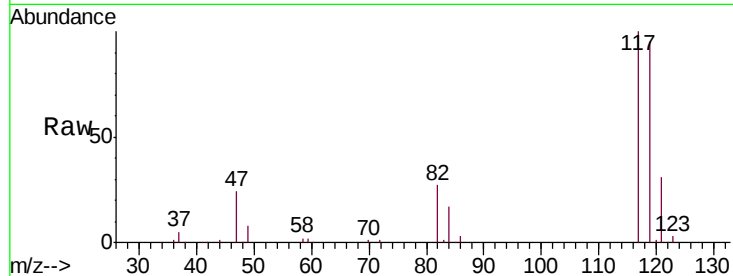




#31
Carbon tetrachloride
Concen: 19.898 ug/L
RT: 5.13 min Scan# 1232
Delta R.T. 0.00 min
Lab File: VU027774.D
Acq: 24 Oct 2018 10:10

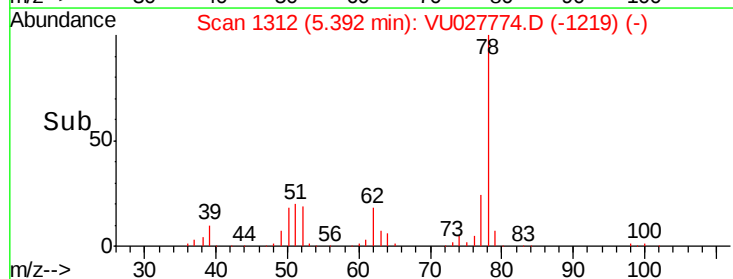
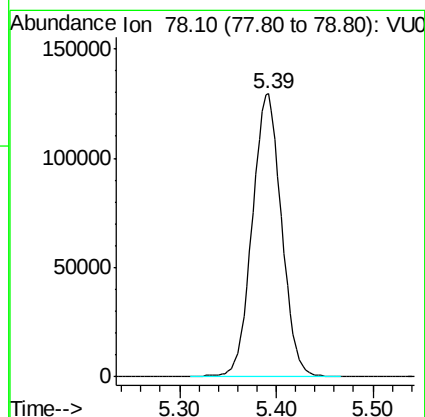
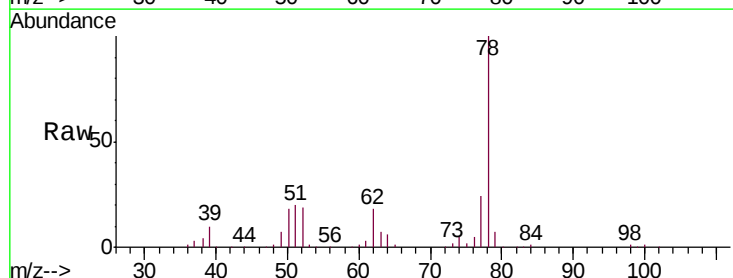
Instrument :
MSVOA_U
ClientSampleId :
VSTD02046

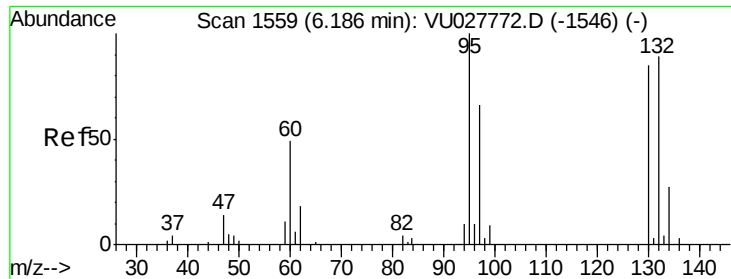
Tgt Ion:117 Resp: 102956
Ion Ratio Lower Upper
117 100
119 96.7 77.0 115.6



#33
Benzene
Concen: 19.548 ug/L
RT: 5.39 min Scan# 1312
Delta R.T. 0.00 min
Lab File: VU027774.D
Acq: 24 Oct 2018 10:10

Tgt Ion: 78 Resp: 272331





#34

Trichloroethene

Concen: 20.165 ug/L

RT: 6.19 min Scan# 1559

Delta R.T. 0.00 min

Lab File: VU027774.D

Acq: 24 Oct 2018 10:10

Instrument :

MSVOA_U

ClientSampleId :

VSTD02046

Tgt Ion: 95 Resp: 72783

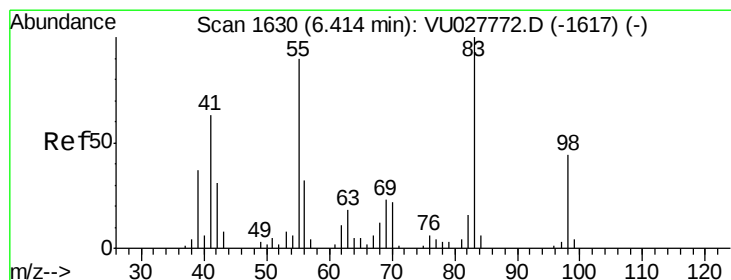
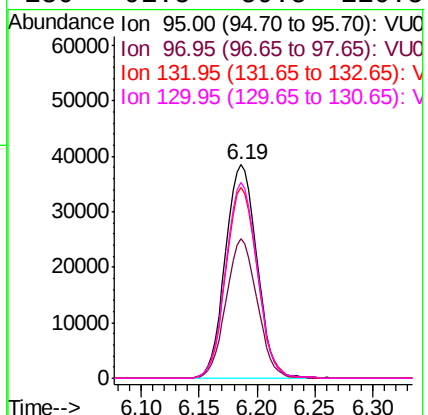
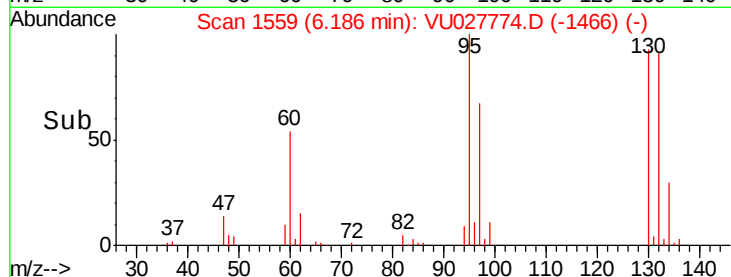
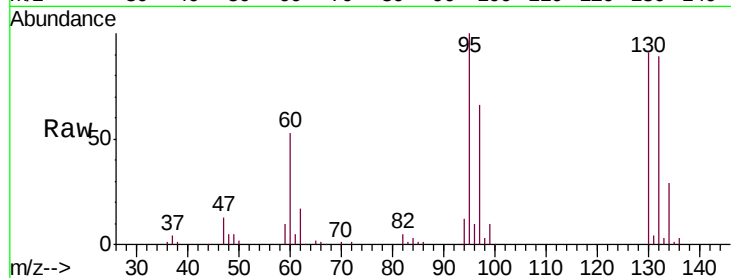
Ion Ratio Lower Upper

95 100

97 65.6 46.4 86.2

132 89.3 62.0 115.2

130 91.5 59.5 110.5



#35

Methylcyclohexane

Concen: 20.148 ug/L

RT: 6.41 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VU027774.D

Acq: 24 Oct 2018 10:10

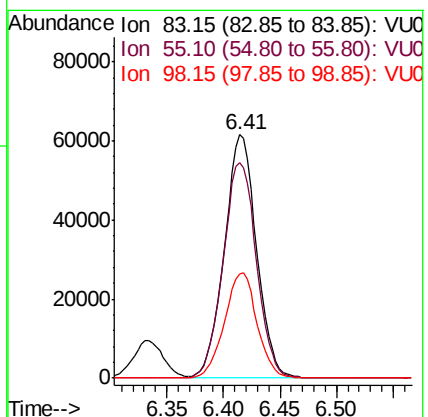
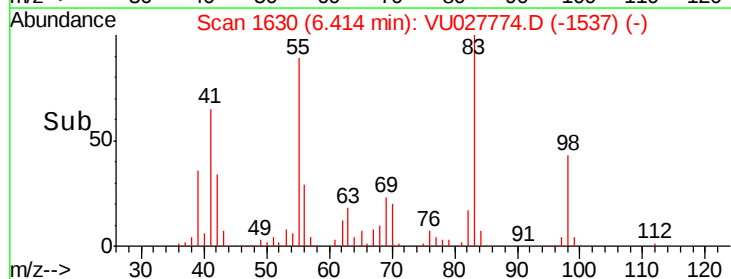
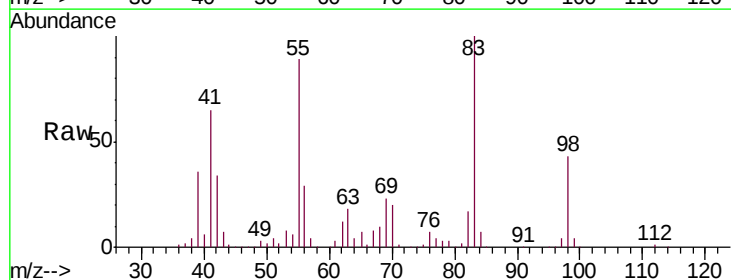
Tgt Ion: 83 Resp: 121524

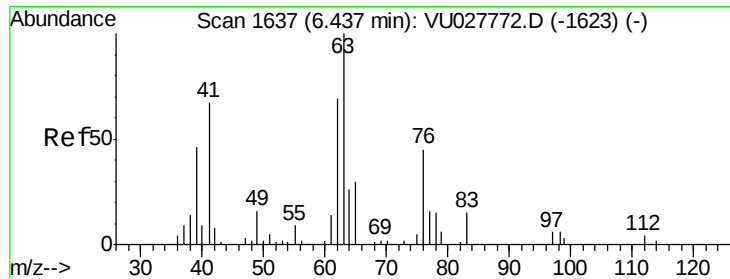
Ion Ratio Lower Upper

83 100

55 92.1 71.5 107.3

98 43.9 35.4 53.0

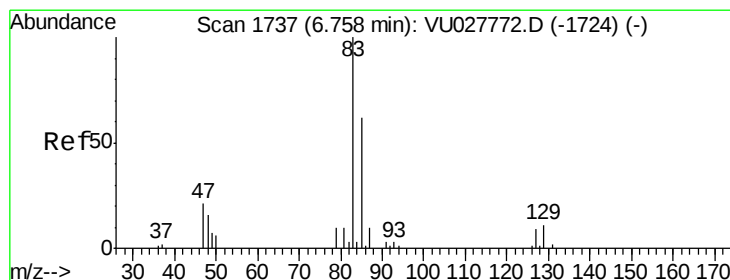
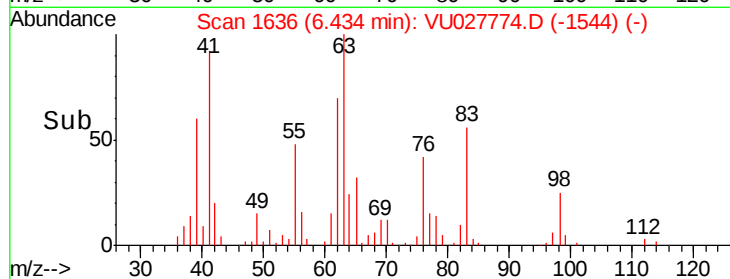
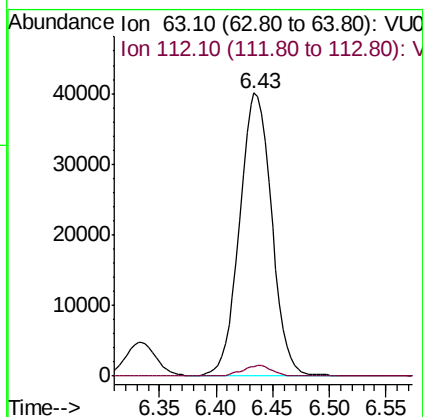
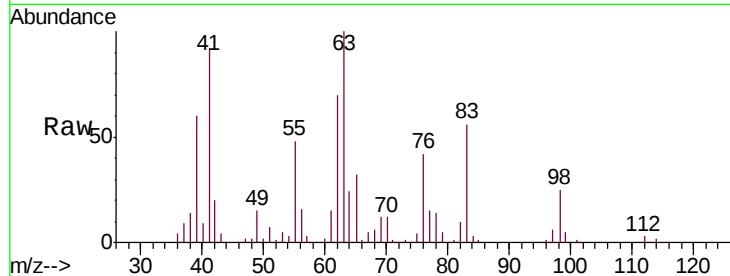




#37
 1,2-Dichloropropane
 Concen: 19.401 ug/L
 RT: 6.43 min Scan# 1636
 Delta R.T. -0.00 min
 Lab File: VU027774.D
 Acq: 24 Oct 2018 10:10

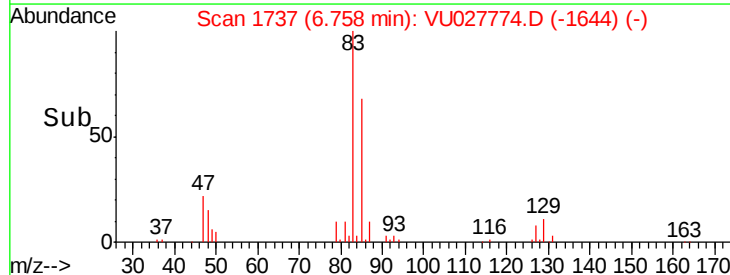
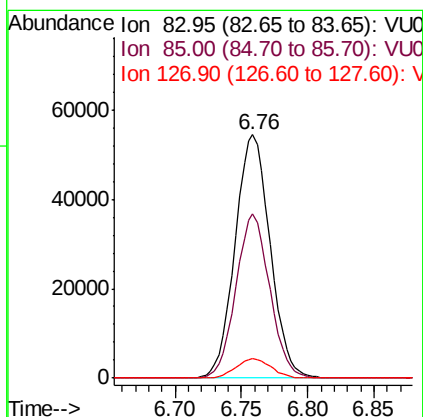
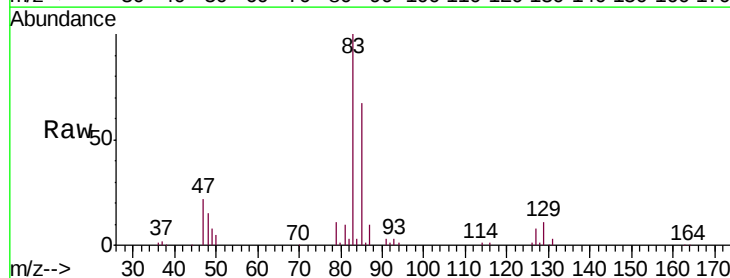
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02046

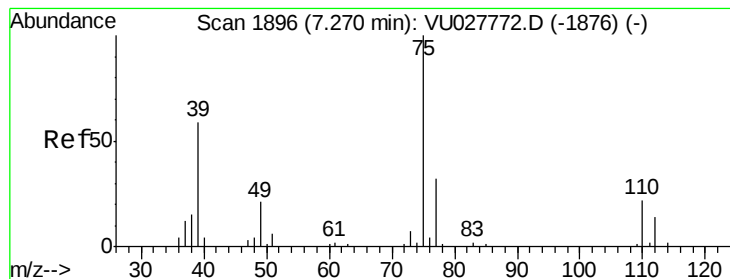
Tgt Ion: 63 Resp: 79362
 Ion Ratio Lower Upper
 63 100
 112 3.3 2.7 4.1



#38
 Bromodichloromethane
 Concen: 20.479 ug/L
 RT: 6.76 min Scan# 1737
 Delta R.T. 0.00 min
 Lab File: VU027774.D
 Acq: 24 Oct 2018 10:10

Tgt Ion: 83 Resp: 100018
 Ion Ratio Lower Upper
 83 100
 85 67.4 43.3 80.5
 127 7.8 7.2 10.8



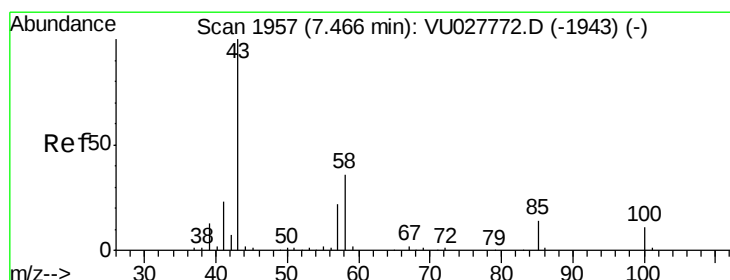
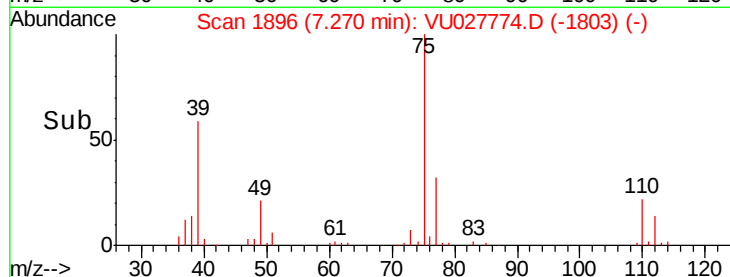
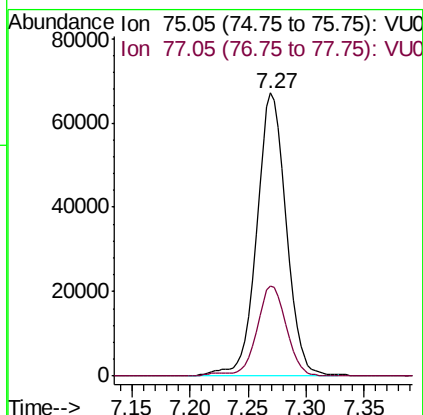
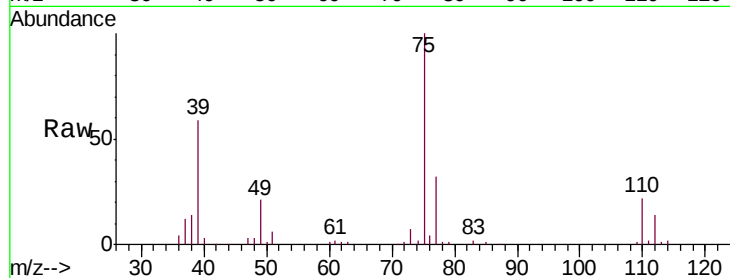


#39

cis-1,3-Dichloropropene
Concen: 20.369 ug/L
RT: 7.27 min Scan# 1896
Delta R.T. 0.00 min
Lab File: VU027774.D
Acq: 24 Oct 2018 10:10

Instrument :
MSVOA_U
ClientSampleId :
VSTD02046

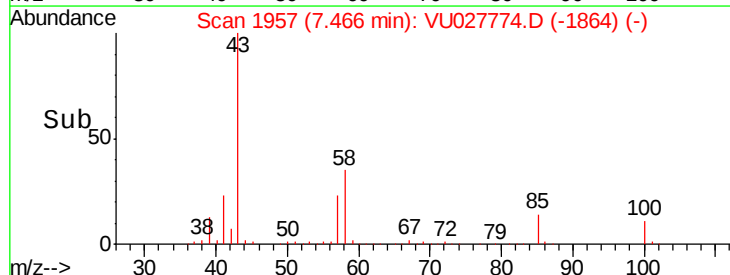
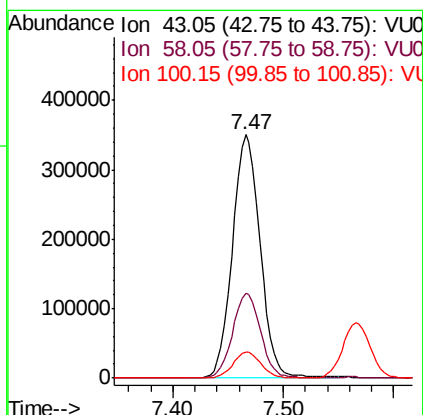
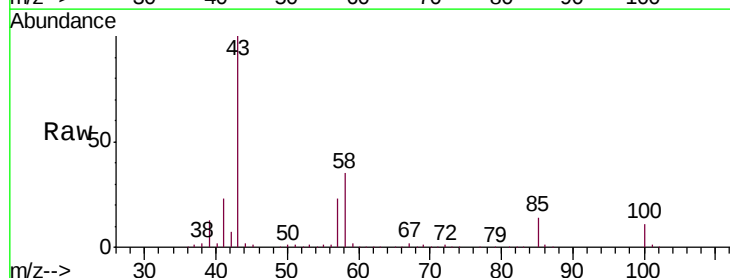
Tgt Ion: 75 Resp: 119340
Ion Ratio Lower Upper
75 100
77 31.9 22.5 41.7

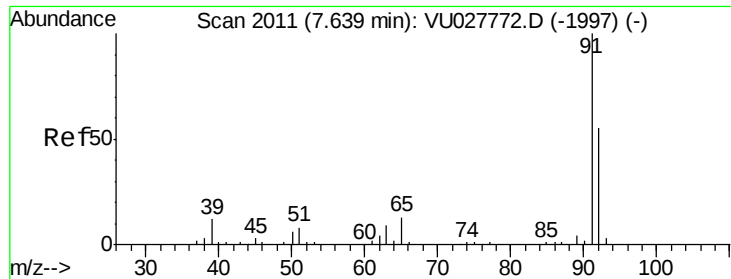


#40

4-Methyl-2-pentanone
Concen: 199.658 ug/L
RT: 7.47 min Scan# 1957
Delta R.T. 0.00 min
Lab File: VU027774.D
Acq: 24 Oct 2018 10:10

Tgt Ion: 43 Resp: 610573
Ion Ratio Lower Upper
43 100
58 35.2 28.1 42.1
100 10.6 8.7 13.1





#42

Toluene

Concen: 19.909 ug/L

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU027774.D

Acq: 24 Oct 2018 10:10

Instrument :

MSVOA_U

ClientSampleId :

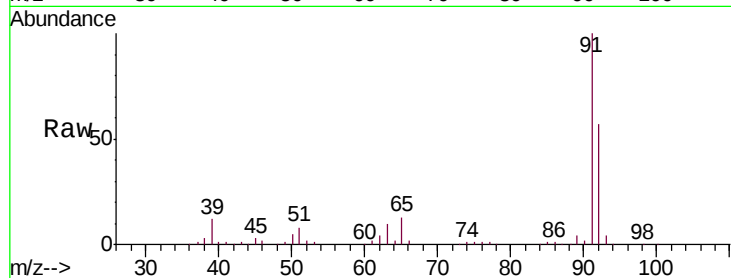
VSTD02046

Tgt Ion: 91 Resp: 298566

Ion Ratio Lower Upper

91 100

92 57.4 38.6 71.8



Abundance Ion 91.15 (90.85 to 91.85): VU027774.D (-1997) (-)

Ion 92.15 (91.85 to 92.85): VU027774.D (-1997) (-)

7.64

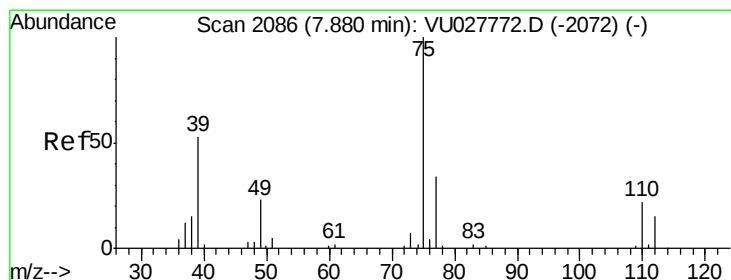
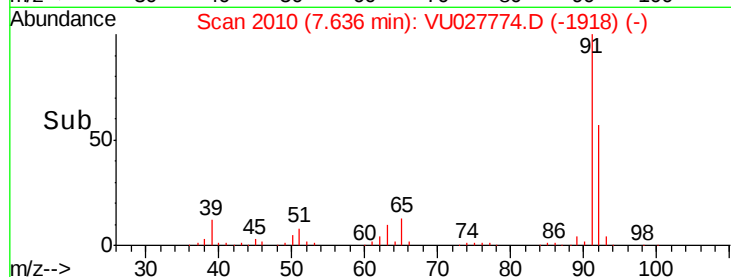
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 21.411 ug/L

RT: 7.88 min Scan# 2086

Delta R.T. 0.00 min

Lab File: VU027774.D

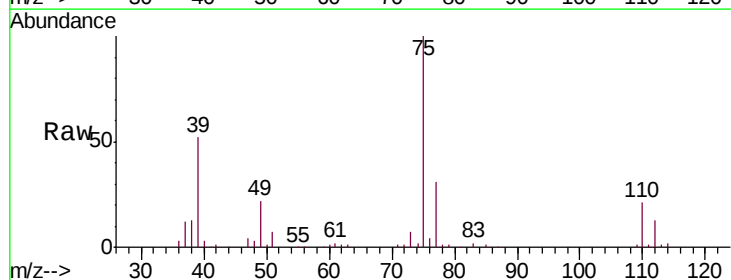
Acq: 24 Oct 2018 10:10

Tgt Ion: 75 Resp: 105648

Ion Ratio Lower Upper

75 100

77 31.1 23.5 43.7



Abundance Ion 75.05 (74.75 to 75.75): VU027774.D (-1993) (-)

Ion 77.05 (76.75 to 77.75): VU027774.D (-1993) (-)

7.88

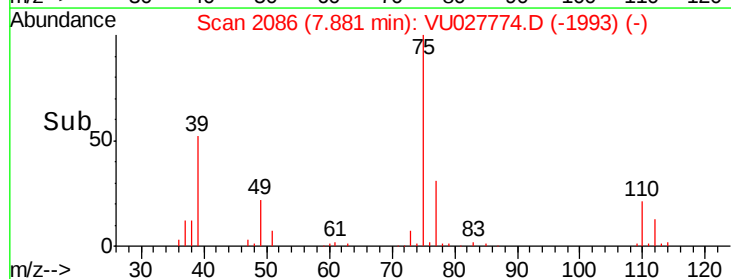
60000

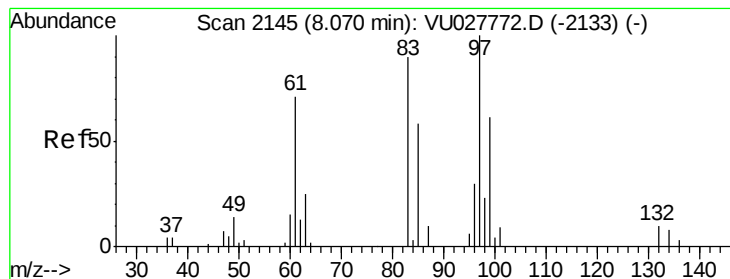
40000

20000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 20.629 ug/L

RT: 8.07 min Scan# 2144

Delta R.T. -0.00 min

Lab File: VU027774.D

Acq: 24 Oct 2018 10:10

Instrument :

MSVOA_U

ClientSampleId :

VSTD02046

Tgt Ion: 97 Resp: 50930

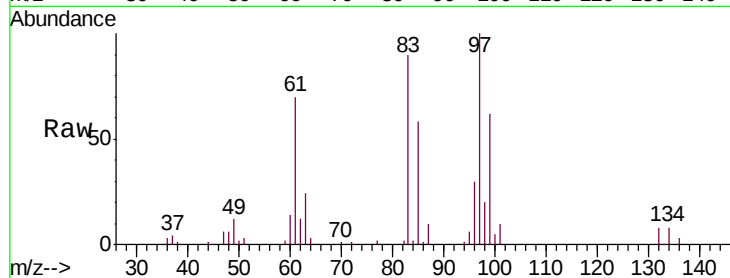
Ion Ratio Lower Upper

97 100

99 62.4 42.8 79.6

83 89.6 62.9 116.9

85 57.7 40.8 75.8

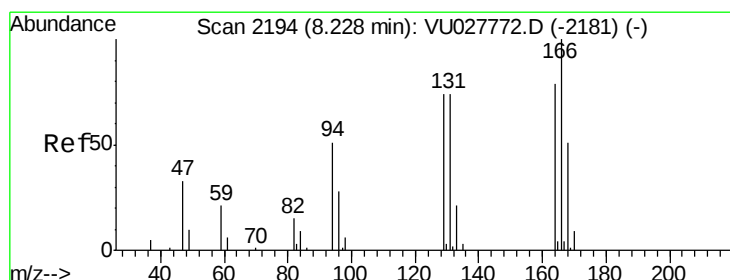
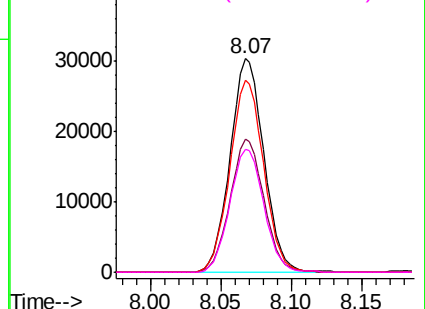
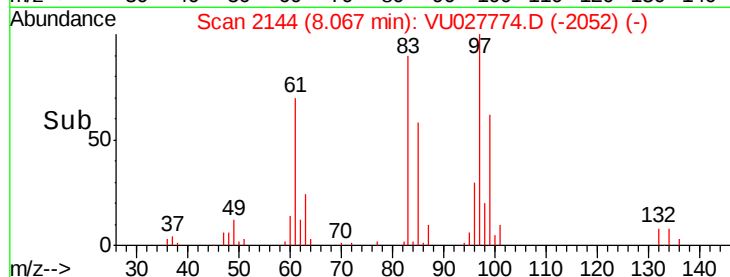


Abundance Ion 96.95 (96.65 to 97.65): VU0

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: 19.276 ug/L

RT: 8.23 min Scan# 2194

Delta R.T. 0.00 min

Lab File: VU027774.D

Acq: 24 Oct 2018 10:10

Tgt Ion: 164 Resp: 56519

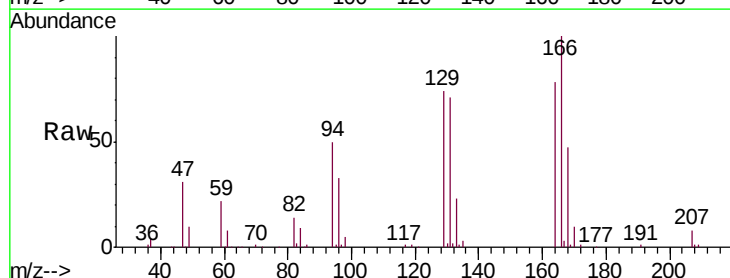
Ion Ratio Lower Upper

164 100

129 95.2 65.6 121.8

131 90.5 65.0 120.8

166 128.1 88.3 164.1

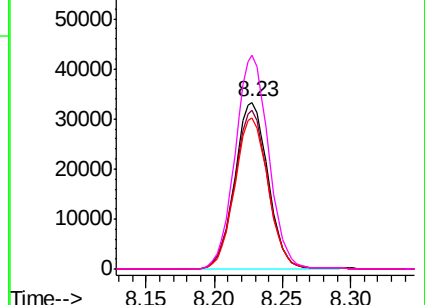
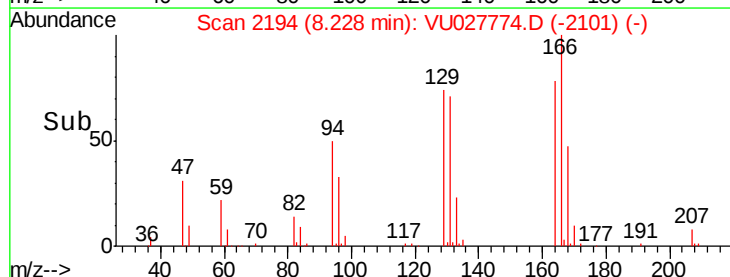


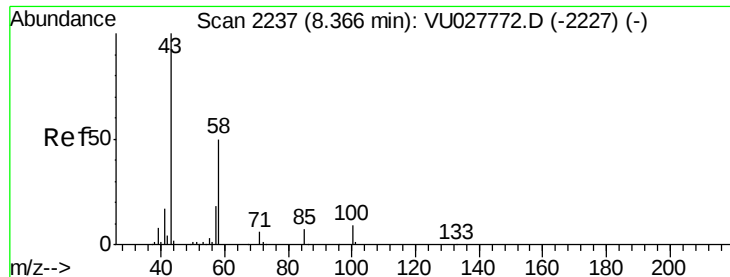
Abundance Ion 163.90 (163.60 to 164.60): V

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

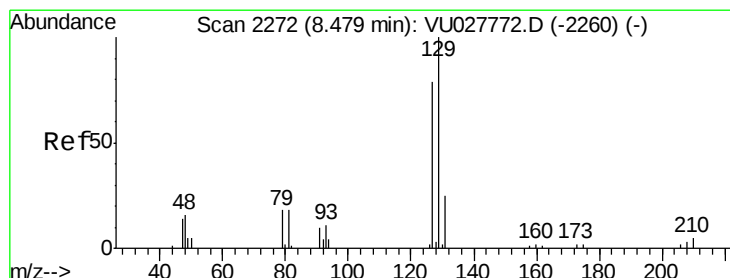
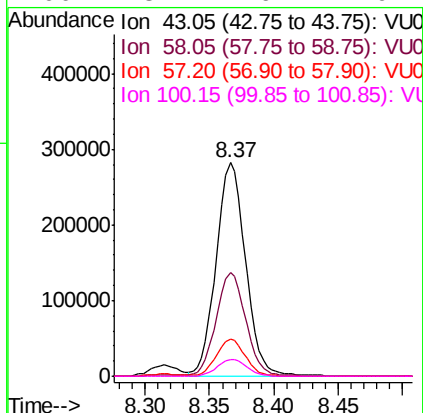
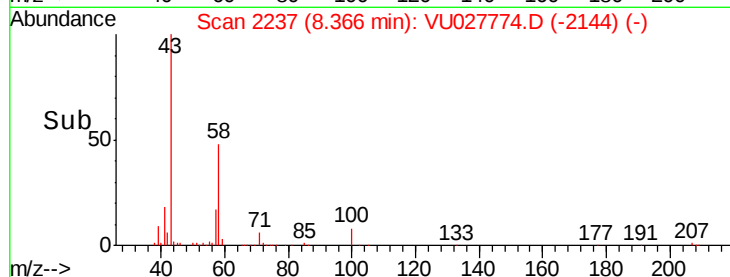
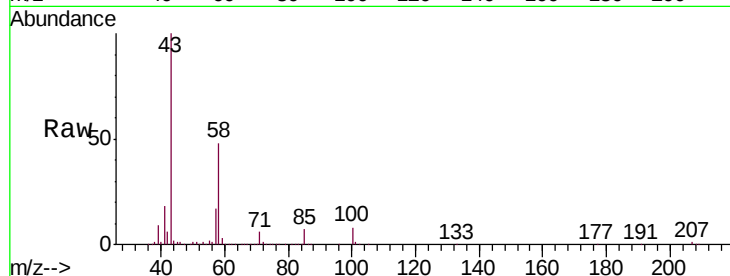




#48
2-Hexanone
Concen: 205.670 ug/L
RT: 8.37 min Scan# 2237
Delta R.T. 0.00 min
Lab File: VU027774.D
Acq: 24 Oct 2018 10:10

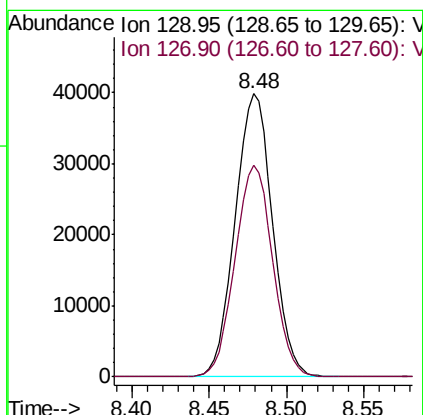
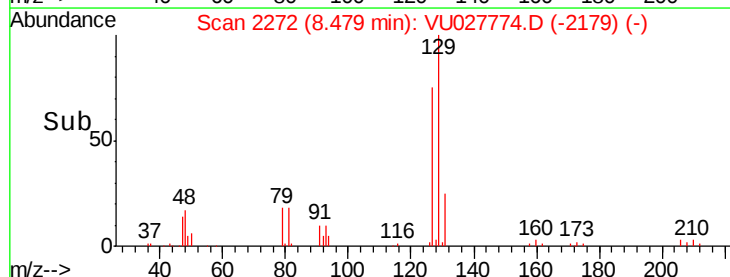
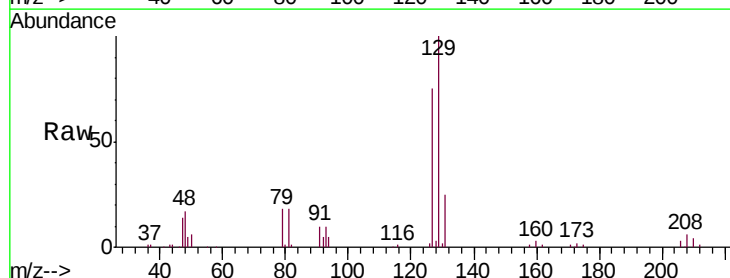
Instrument :
MSVOA_U
ClientSampleId :
VSTD02046

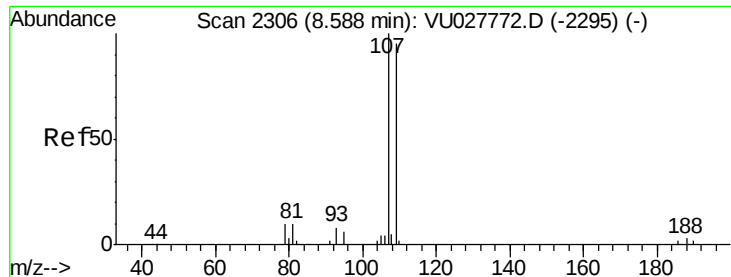
Tgt Ion: 43 Resp: 446903
Ion Ratio Lower Upper
43 100
58 49.3 39.4 59.0
57 17.3 13.8 20.8
100 8.2 6.7 10.1



#49
Dibromochloromethane
Concen: 21.310 ug/L
RT: 8.48 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VU027774.D
Acq: 24 Oct 2018 10:10

Tgt Ion: 129 Resp: 67037
Ion Ratio Lower Upper
129 100
127 74.6 55.2 102.4

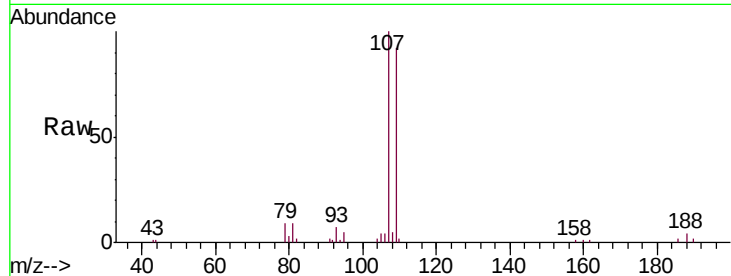




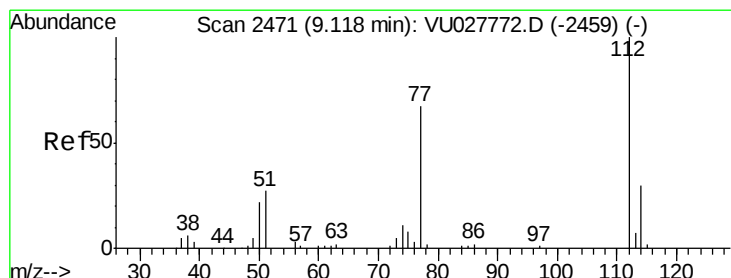
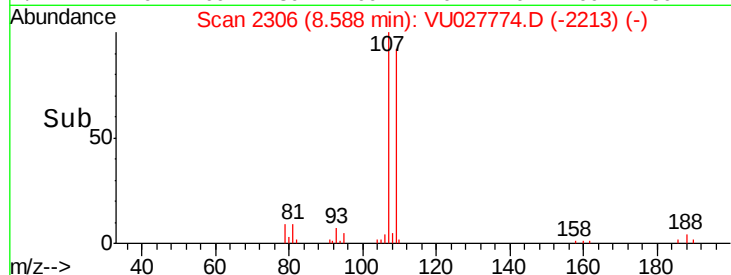
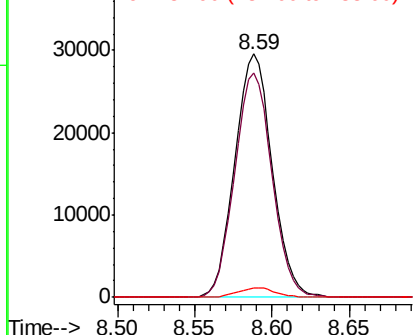
#50
1,2-Dibromoethane
Concen: 20.643 ug/L
RT: 8.59 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VU027774.D
Acq: 24 Oct 2018 10:10

Instrument :
MSVOA_U
ClientSampleId :
VSTD02046

Tgt Ion:107 Resp: 49537
Ion Ratio Lower Upper
107 100
109 92.3 66.3 123.1
188 3.9 2.6 3.8#

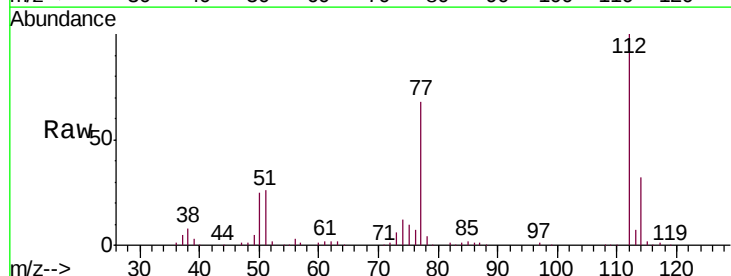


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

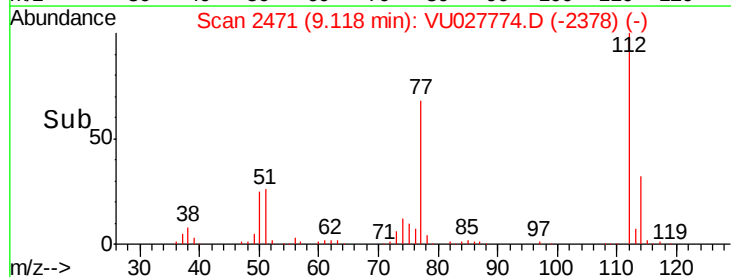
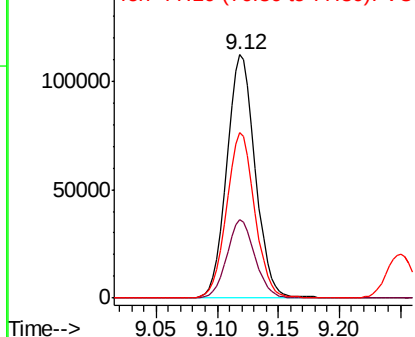


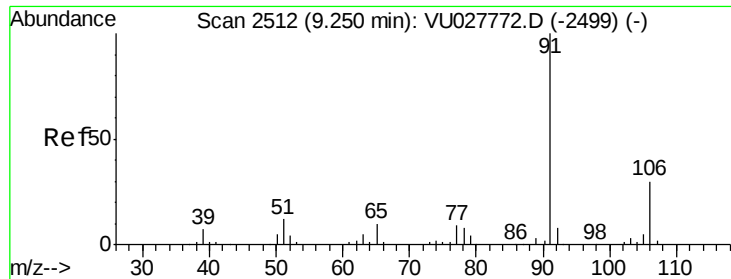
#51
Chlorobenzene
Concen: 19.856 ug/L
RT: 9.12 min Scan# 2471
Delta R.T. 0.00 min
Lab File: VU027774.D
Acq: 24 Oct 2018 10:10

Tgt Ion:112 Resp: 183317
Ion Ratio Lower Upper
112 100
114 32.1 21.2 39.4
77 67.8 54.2 81.4



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V





#52

Ethylbenzene

Concen: 20.522 ug/L

RT: 9.25 min Scan# 2512

Delta R.T. 0.00 min

Lab File: VU027774.D

Acq: 24 Oct 2018 10:10

Instrument :

MSVOA_U

ClientSampleId :

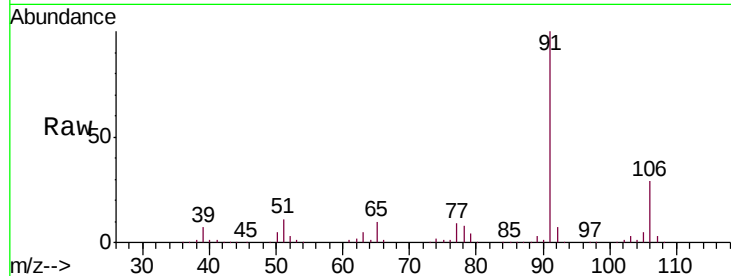
VSTD02046

Tgt Ion: 91 Resp: 357025

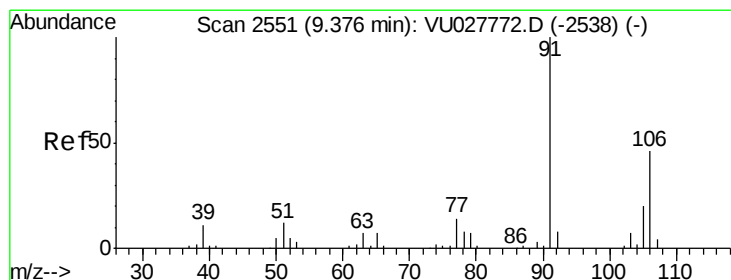
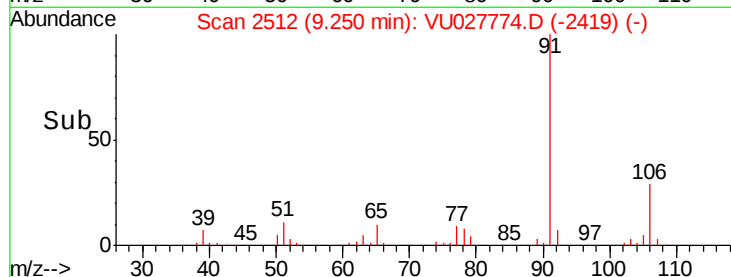
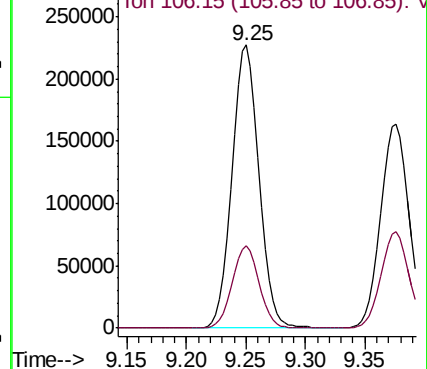
Ion Ratio Lower Upper

91 100

106 28.9 20.6 38.4



Abundance Ion 91.15 (90.85 to 91.85): VU027772.D (-2499) (-)



#53

m,p-xylene

Concen: 20.585 ug/L

RT: 9.38 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VU027774.D

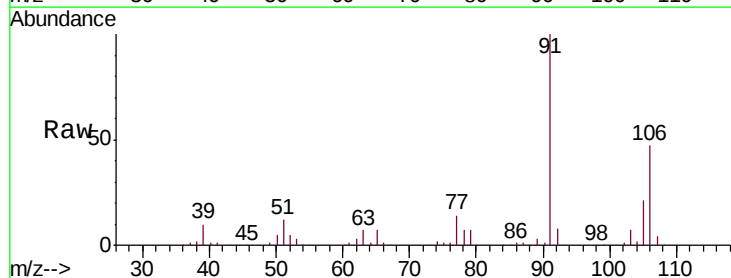
Acq: 24 Oct 2018 10:10

Tgt Ion: 106 Resp: 126840

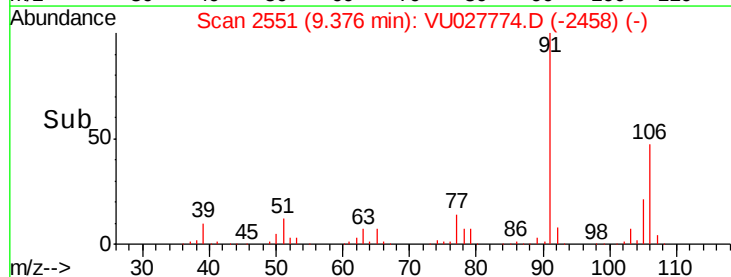
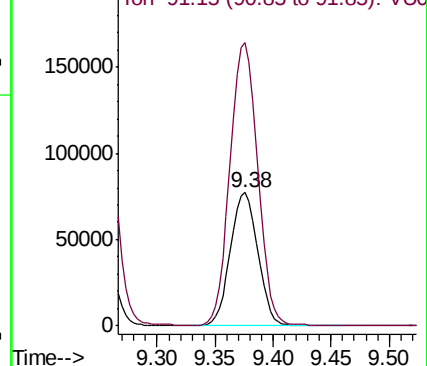
Ion Ratio Lower Upper

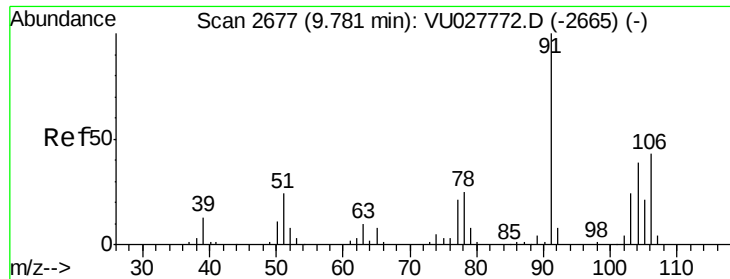
106 100

91 212.4 154.1 286.3



Abundance Ion 106.15 (105.85 to 106.85): VU027772.D (-2538) (-)





#54

o-xylene

Concen: 20.257 ug/L

RT: 9.78 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VU027774.D

Acq: 24 Oct 2018 10:10

Instrument :

MSVOA_U

ClientSampleId :

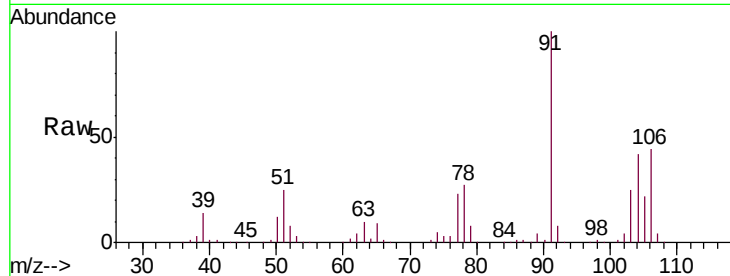
VSTD02046

Tgt Ion:106 Resp: 121953

Ion Ratio Lower Upper

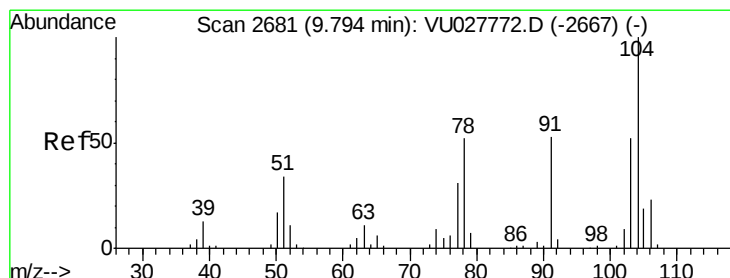
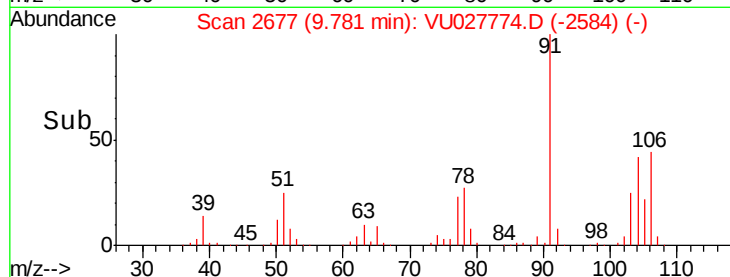
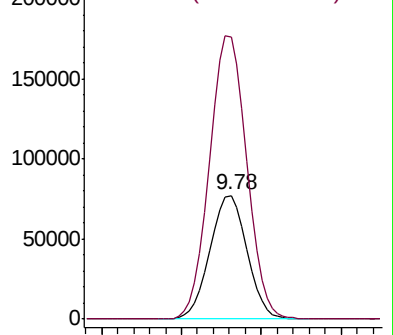
106 100

91 228.3 161.3 299.7



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#55

Styrene

Concen: 20.865 ug/L

RT: 9.79 min Scan# 2681

Delta R.T. 0.00 min

Lab File: VU027774.D

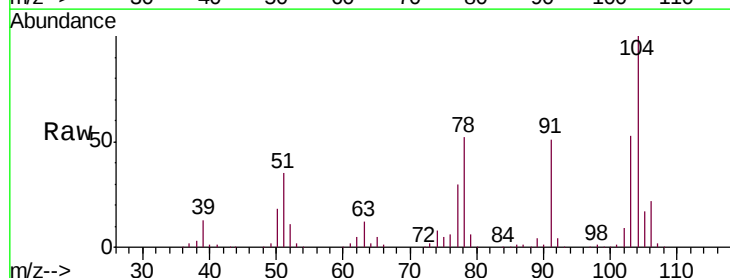
Acq: 24 Oct 2018 10:10

Tgt Ion:104 Resp: 212765

Ion Ratio Lower Upper

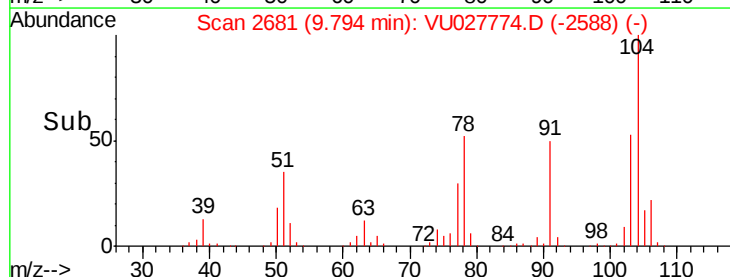
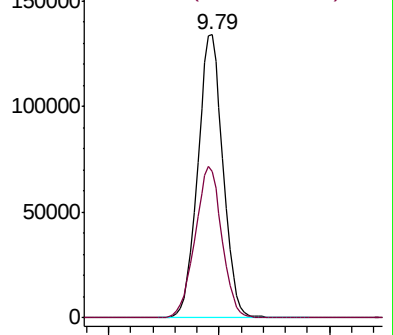
104 100

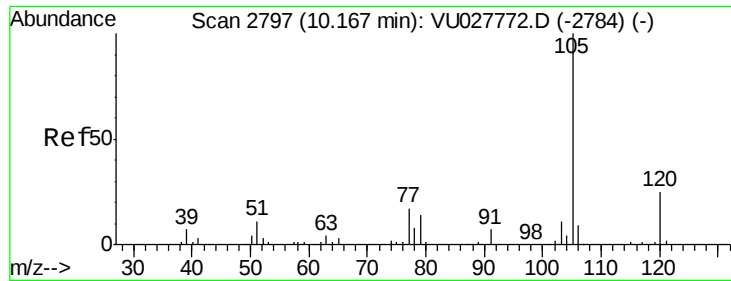
78 51.9 36.3 67.3



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 20.658 ug/L

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU027774.D

Acq: 24 Oct 2018 10:10

Instrument :

MSVOA_U

ClientSampleId :

VSTD02046

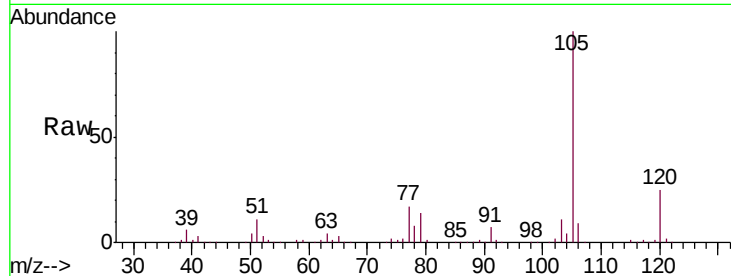
Tgt Ion: 105 Resp: 344368

Ion Ratio Lower Upper

105 100

120 25.0 19.9 29.9

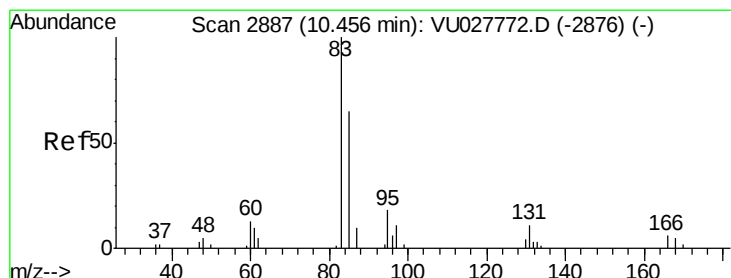
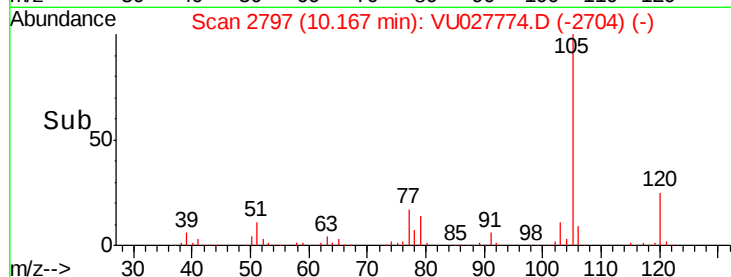
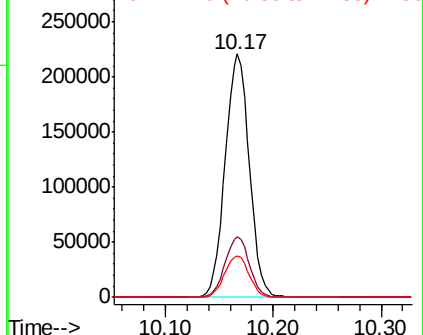
77 17.4 13.7 20.5



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: 21.144 ug/L

RT: 10.46 min Scan# 2888

Delta R.T. 0.00 min

Lab File: VU027774.D

Acq: 24 Oct 2018 10:10

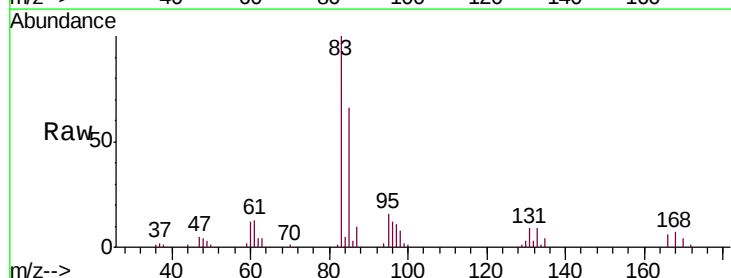
Tgt Ion: 83 Resp: 68660

Ion Ratio Lower Upper

83 100

85 65.5 45.5 84.5

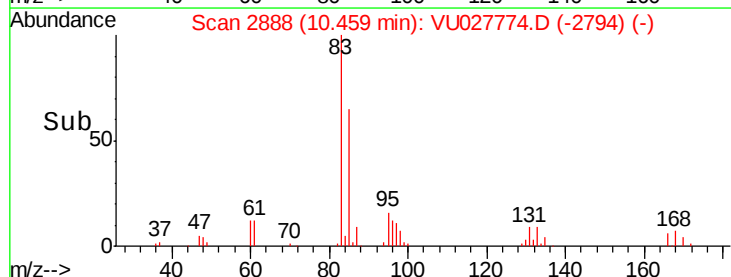
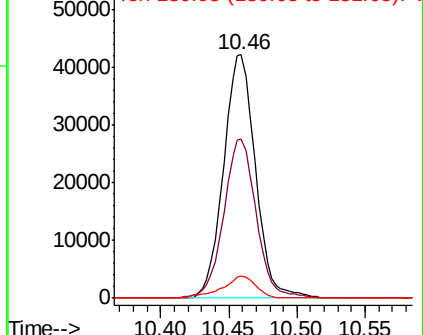
131 9.2 8.8 13.2

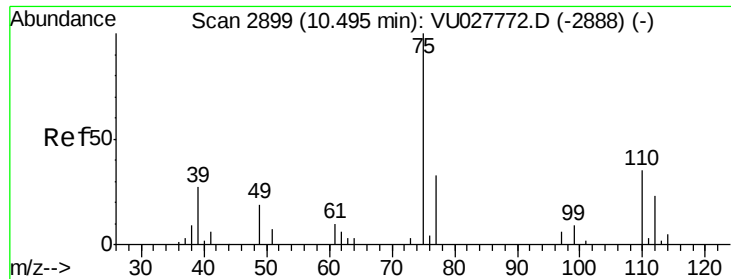


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 20.209 ug/L

RT: 10.49 min Scan# 2899

Delta R.T. 0.00 min

Lab File: VU027774.D

Acq: 24 Oct 2018 10:10

Instrument :

MSVOA_U

ClientSampleId :

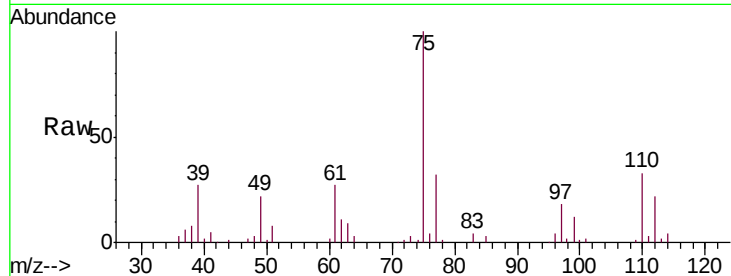
VSTD02046

Tgt Ion: 75 Resp: 52052

Ion Ratio Lower Upper

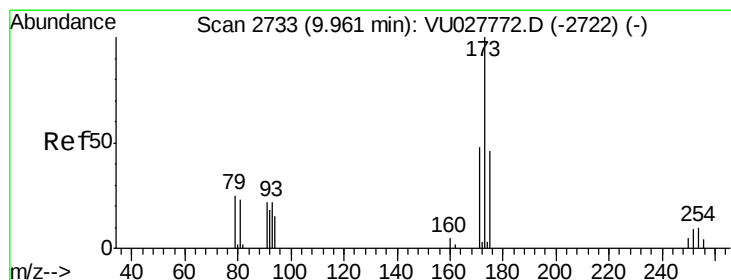
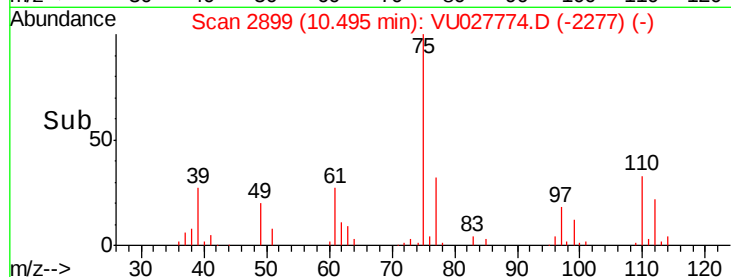
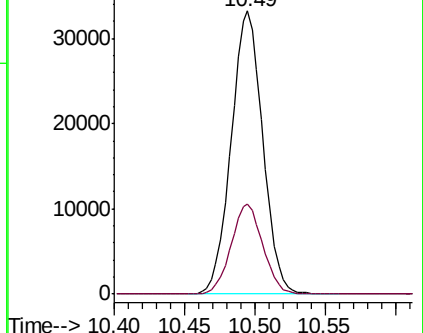
75 100

77 31.8 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) (-)



#61

Bromoform

Concen: 20.640 ug/L

RT: 9.96 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VU027774.D

Acq: 24 Oct 2018 10:10

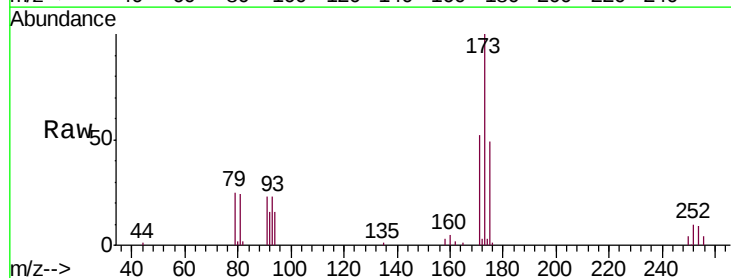
Tgt Ion: 173 Resp: 38823

Ion Ratio Lower Upper

173 100

175 49.3 37.7 56.5

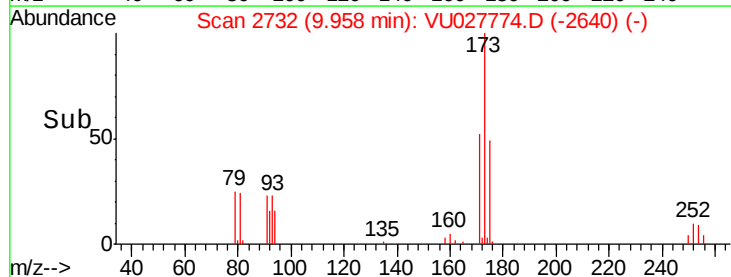
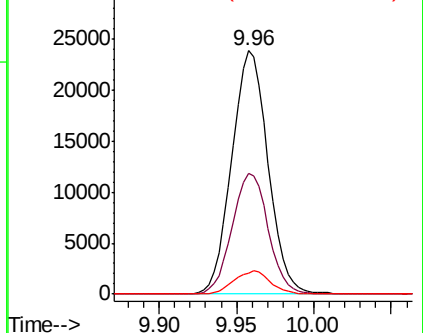
254 9.4 7.2 10.8

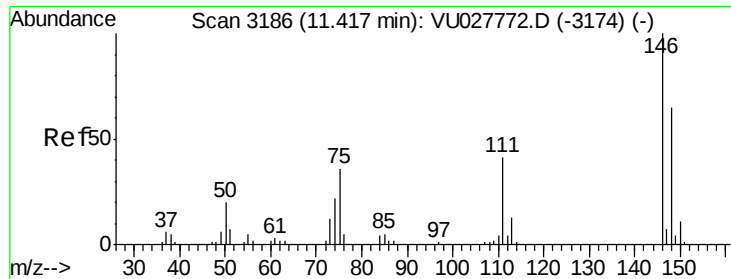


Abundance Ion 172.90 (172.60 to 173.60): VU027772.D (-2722) (-)

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

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

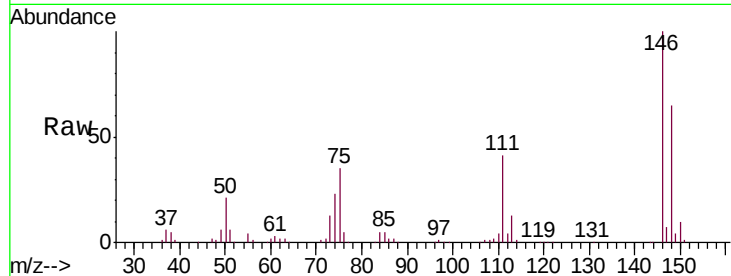




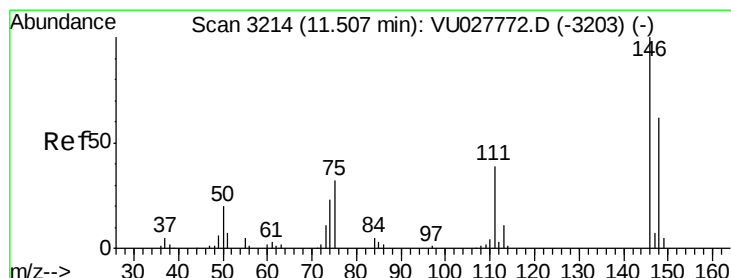
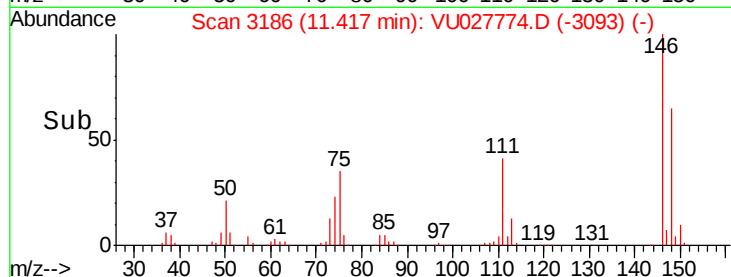
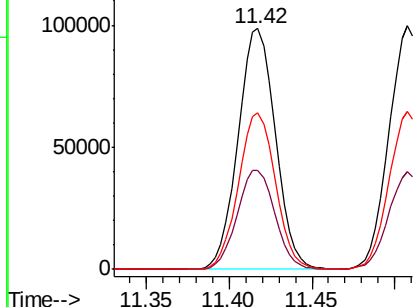
#62
 1,3-Dichlorobenzene
 Concen: 19.674 ug/L
 RT: 11.42 min Scan# 3186
 Delta R.T. 0.00 min
 Lab File: VU027774.D
 Acq: 24 Oct 2018 10:10

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02046

Tgt Ion:146 Resp: 154743
 Ion Ratio Lower Upper
 146 100
 111 41.2 28.6 53.0
 148 64.8 45.1 83.9

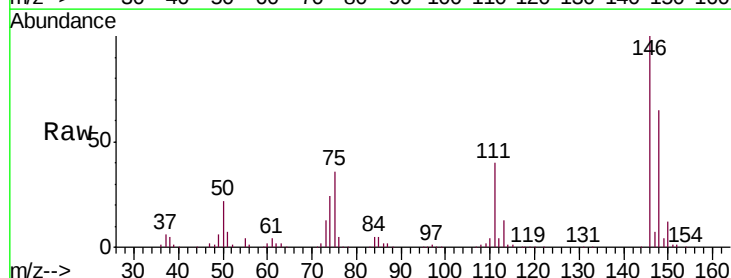


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

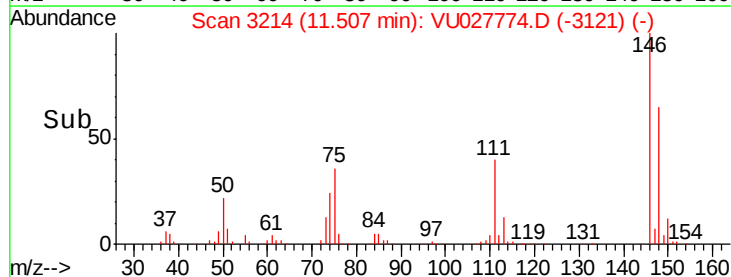
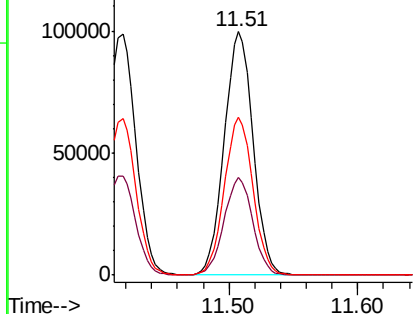


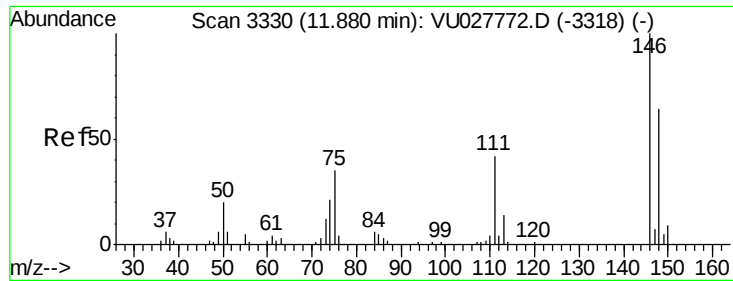
#63
 1,4-Dichlorobenzene
 Concen: 19.470 ug/L
 RT: 11.51 min Scan# 3214
 Delta R.T. 0.00 min
 Lab File: VU027774.D
 Acq: 24 Oct 2018 10:10

Tgt Ion:146 Resp: 154626
 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

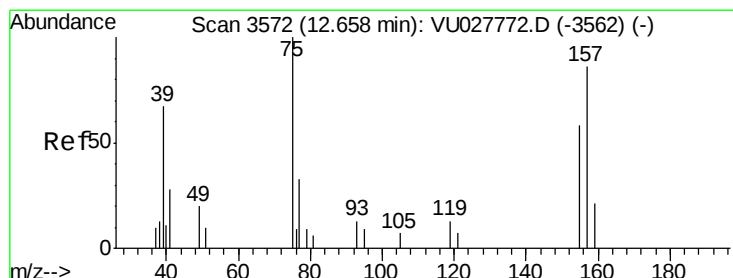
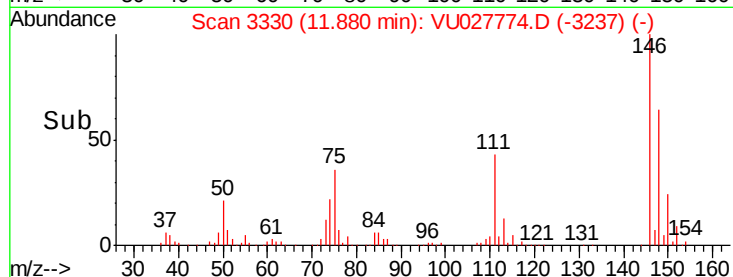
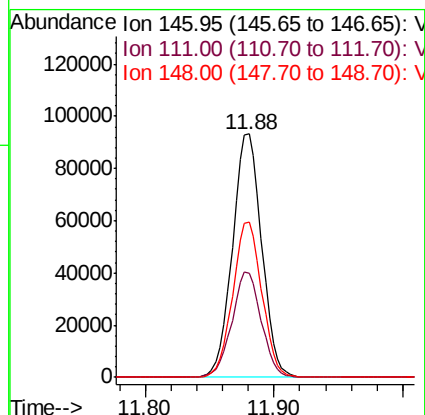
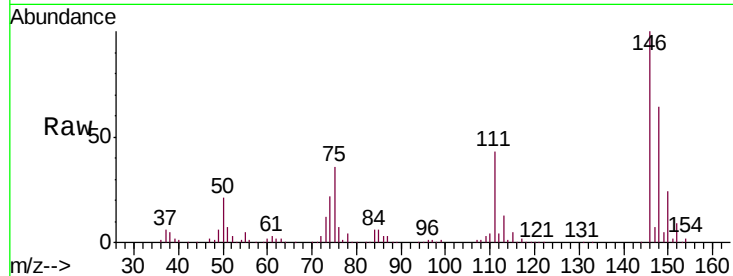




#65
 1,2-Dichlorobenzene
 Concen: 19.770 ug/L
 RT: 11.88 min Scan# 3330
 Delta R.T. 0.00 min
 Lab File: VU027774.D
 Acq: 24 Oct 2018 10:10

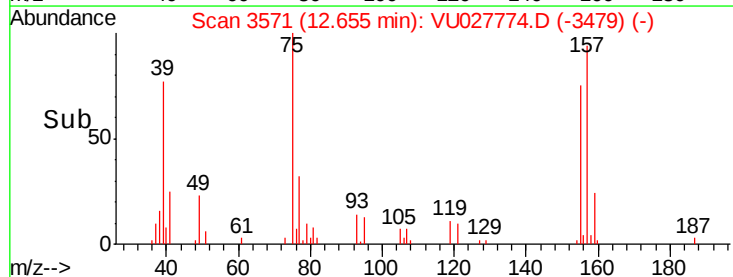
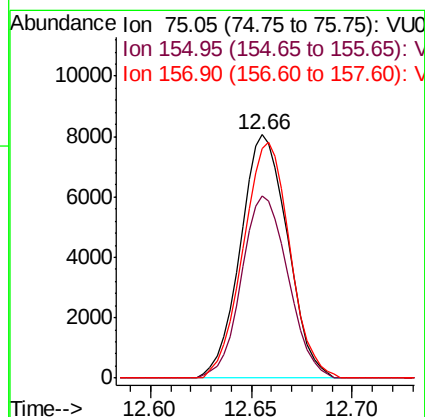
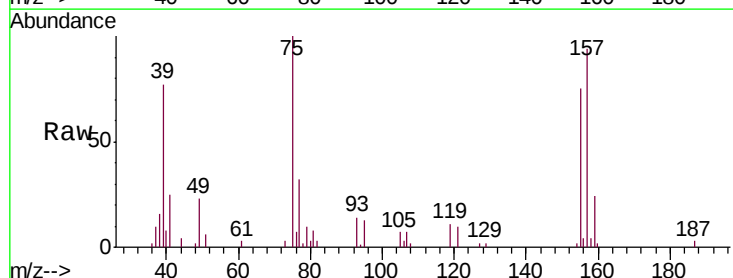
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02046

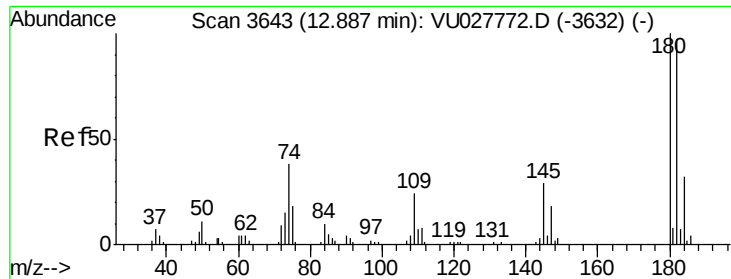
Tgt Ion: 146 Resp: 146221
 Ion Ratio Lower Upper
 146 100
 111 42.8 33.7 50.5
 148 63.9 50.8 76.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 22.465 ug/L
 RT: 12.66 min Scan# 3571
 Delta R.T. -0.00 min
 Lab File: VU027774.D
 Acq: 24 Oct 2018 10:10

Tgt Ion: 75 Resp: 13233
 Ion Ratio Lower Upper
 75 100
 155 74.7 46.2 69.2#
 157 94.0 68.9 103.3

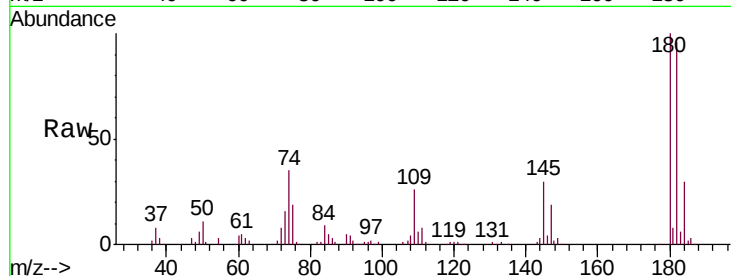




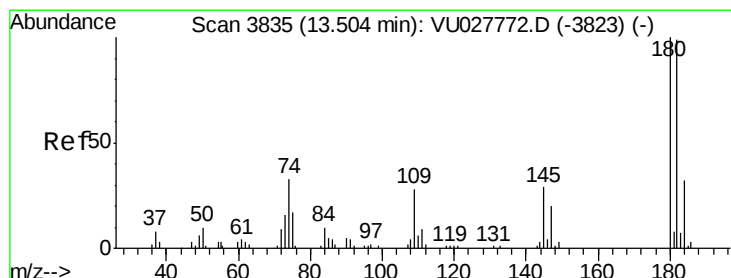
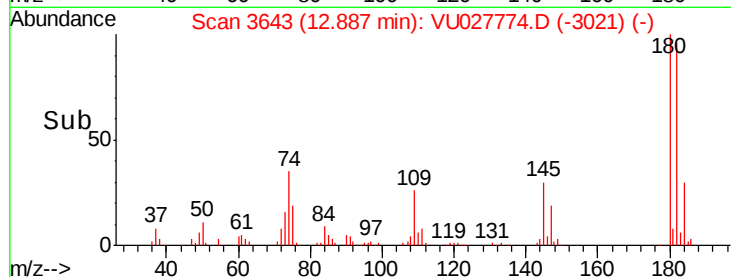
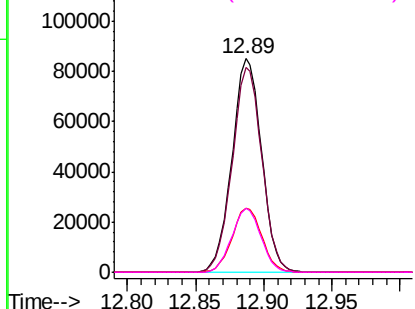
#67
 1,3,5-Trichlorobenzene
 Concen: 20.316 ug/L
 RT: 12.89 min Scan# 3643
 Delta R.T. 0.00 min
 Lab File: VU027774.D
 Acq: 24 Oct 2018 10:10

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02046

Tgt Ion:180 Resp: 128178
 Ion Ratio Lower Upper
 180 100
 182 95.7 78.9 118.3
 184 30.2 24.6 37.0
 145 29.6 23.4 35.0

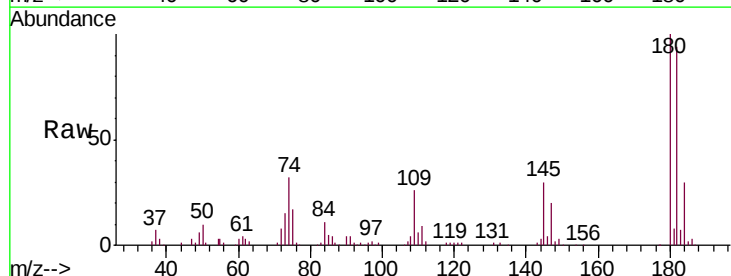


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

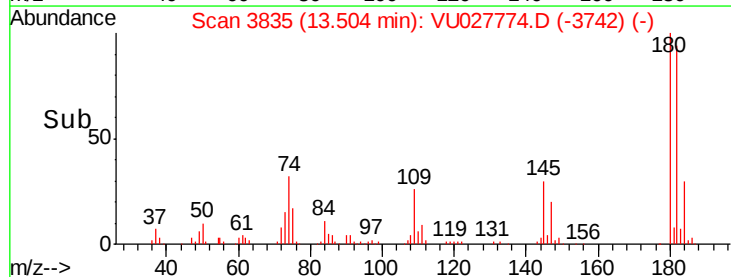
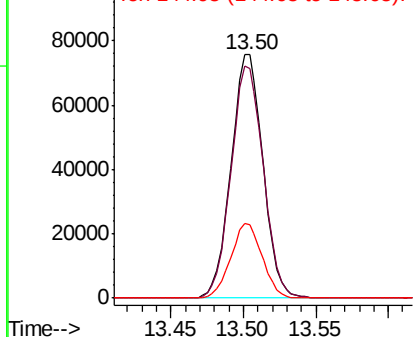


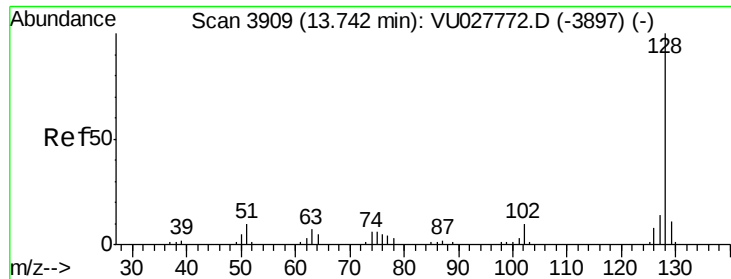
#68
 1,2,4-trichlorobenzene
 Concen: 21.055 ug/L
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.00 min
 Lab File: VU027774.D
 Acq: 24 Oct 2018 10:10

Tgt Ion:180 Resp: 115386
 Ion Ratio Lower Upper
 180 100
 182 96.4 77.6 116.4
 145 30.2 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: 21.843 ug/L

RT: 13.74 min Scan# 3909

Delta R.T. 0.00 min

Lab File: VU027774.D

Acq: 24 Oct 2018 10:10

Instrument :

MSVOA_U

ClientSampleId :

VSTD02046

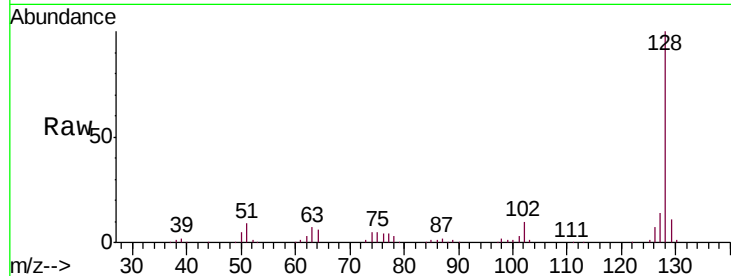
Tgt Ion:128 Resp: 194404

Ion Ratio Lower Upper

128 100

129 10.7 8.8 13.2

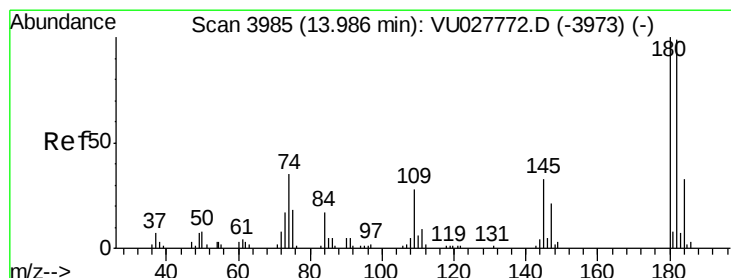
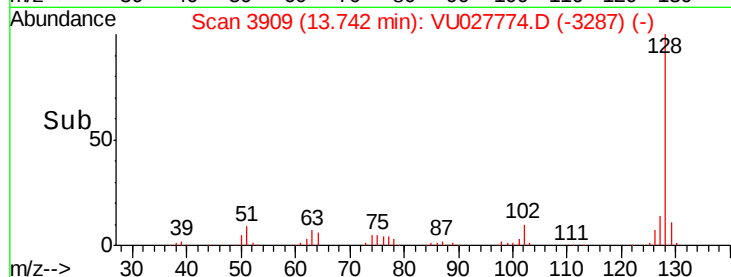
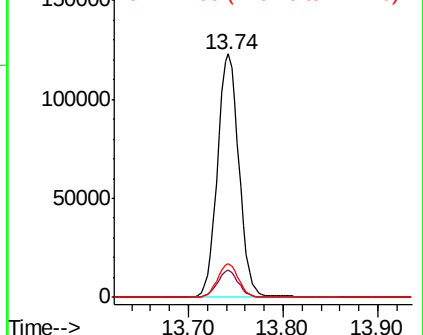
127 13.5 10.7 16.1



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: 20.947 ug/L

RT: 13.99 min Scan# 3985

Delta R.T. 0.00 min

Lab File: VU027774.D

Acq: 24 Oct 2018 10:10

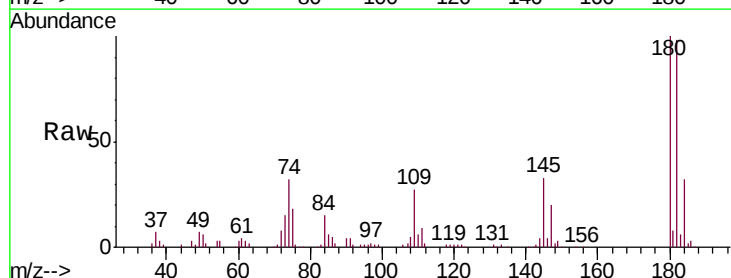
Tgt Ion:180 Resp: 105779

Ion Ratio Lower Upper

180 100

182 96.7 76.9 115.3

145 31.7 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

