

Data File : VU027773.D
Acq On : 24 Oct 2018 09:46
Operator : MD/SY
Sample : VSTD01045
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD01045

Quant Time: Oct 25 04:16:27 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	42367	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	41190	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	21163	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	34902	10.10	ug/L	0.00
7) Chloroethane-d5	1.68	69	25345	9.70	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.28	63	65719	9.95	ug/L	0.00
20) 2-Butanone-d5	4.20	46	106452	101.38	ug/L	0.00
24) Chloroform-d	4.65	84	62731	10.19	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	36471	9.94	ug/L	0.00
32) Benzene-d6	5.34	84	114451	10.42	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.33	67	40252	10.33	ug/L	0.00
41) Toluene-d8	7.57	98	108885	10.40	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	17215	10.88	ug/L	0.00
46) 2-Hexanone-d5	8.31	63	91430	104.79	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.43	84	31312	10.57	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	40250	10.10	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	40975	9.973 ug/L	98
3) Chloromethane	1.33	50	45510	9.864 ug/L	97
5) Vinyl chloride	1.40	62	43746	9.851 ug/L	98
6) Bromomethane	1.63	94	22680	9.963 ug/L	99
8) Chloroethane	1.70	64	23652	9.854 ug/L	92
9) Trichlorofluoromethane	1.89	101	57945	9.870 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	30253	10.209 ug/L	97
12) 1,1-Dichloroethene	2.29	96	27876	10.094 ug/L	96
13) Acetone	2.34	43	67328	88.941 ug/L	97
14) Carbon disulfide	2.48	76	93117	9.822 ug/L	99
15) Methyl Acetate	2.63	43	18264	8.623 ug/L	96
16) Methylene chloride	2.70	84	30685	9.421 ug/L	99
17) Methyl tert-butyl Ether	3.01	73	85650	9.689 ug/L	100
18) trans-1,2-Dichloroethene	2.98	96	29576	9.994 ug/L	95
19) 1,1-Dichloroethane	3.45	63	62907	9.614 ug/L	99
21) 2-Butanone	4.29	43	121160	97.547 ug/L	99
22) cis-1,2-Dichloroethene	4.23	96	34050	9.687 ug/L	92
23) Bromochloromethane	4.55	128	14467	10.152 ug/L	98
25) Chloroform	4.68	83	66800	10.138 ug/L	98
27) 1,2-Dichloroethane	5.41	62	48075	9.878 ug/L	98
29) 1,1,1-Trichloroethane	4.92	97	59088	9.974 ug/L	99
30) Cyclohexane	5.00	56	66509	10.023 ug/L	98
31) Carbon tetrachloride	5.13	117	51254	10.082 ug/L	99
33) Benzene	5.39	78	138529	10.121 ug/L	100
34) Trichloroethene	6.19	95	36321	10.242 ug/L	95
35) Methylcyclohexane	6.41	83	60212	10.161 ug/L	98
37) 1,2-Dichloropropane	6.44	63	40133	9.986 ug/L	99
38) Bromodichloromethane	6.76	83	48486	10.104 ug/L	96
39) cis-1,3-Dichloropropene	7.27	75	59472	10.332 ug/L	99
40) 4-Methyl-2-pentanone	7.47	43	301719	100.421 ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.64	91	149574	10.152	ug/L	100
44) trans-1,3-Dichloropropene	7.88	75	51032	10.527	ug/L	97
45) 1,1,2-Trichloroethane	8.07	97	24608	10.145	ug/L	97
47) Tetrachloroethene	8.23	164	27959	9.706	ug/L	96
48) 2-Hexanone	8.37	43	216441	101.384	ug/L	99
49) Dibromochloromethane	8.48	129	32667	10.570	ug/L	95
50) 1,2-Dibromoethane	8.59	107	24397	10.348	ug/L	99
51) Chlorobenzene	9.12	112	90746	10.004	ug/L	97
52) Ethylbenzene	9.25	91	171422	10.029	ug/L	99
53) m,p-xylene	9.38	106	61568	10.170	ug/L	98
54) o-xylene	9.78	106	59698	10.093	ug/L	95
55) Styrene	9.79	104	102996	10.280	ug/L	99
56) Isopropylbenzene	10.17	105	168196	10.269	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.46	83	33976	10.649	ug/L	97
59) 1,2,3-Trichloropropane	10.49	75	25298	9.997	ug/L	96
61) Bromoform	9.96	173	18896	10.616	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	74357	9.990	ug/L	98
63) 1,4-Dichlorobenzene	11.51	146	74440	9.905	ug/L	97
65) 1,2-Dichlorobenzene	11.88	146	70062	10.010	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.66	75	6126	10.990	ug/L #	86
67) 1,3,5-Trichlorobenzene	12.89	180	61507	10.302	ug/L	97
68) 1,2,4-trichlorobenzene	13.50	180	53815	10.377	ug/L	100
69) Naphthalene	13.74	128	88630	10.523	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	50213	10.507	ug/L	99

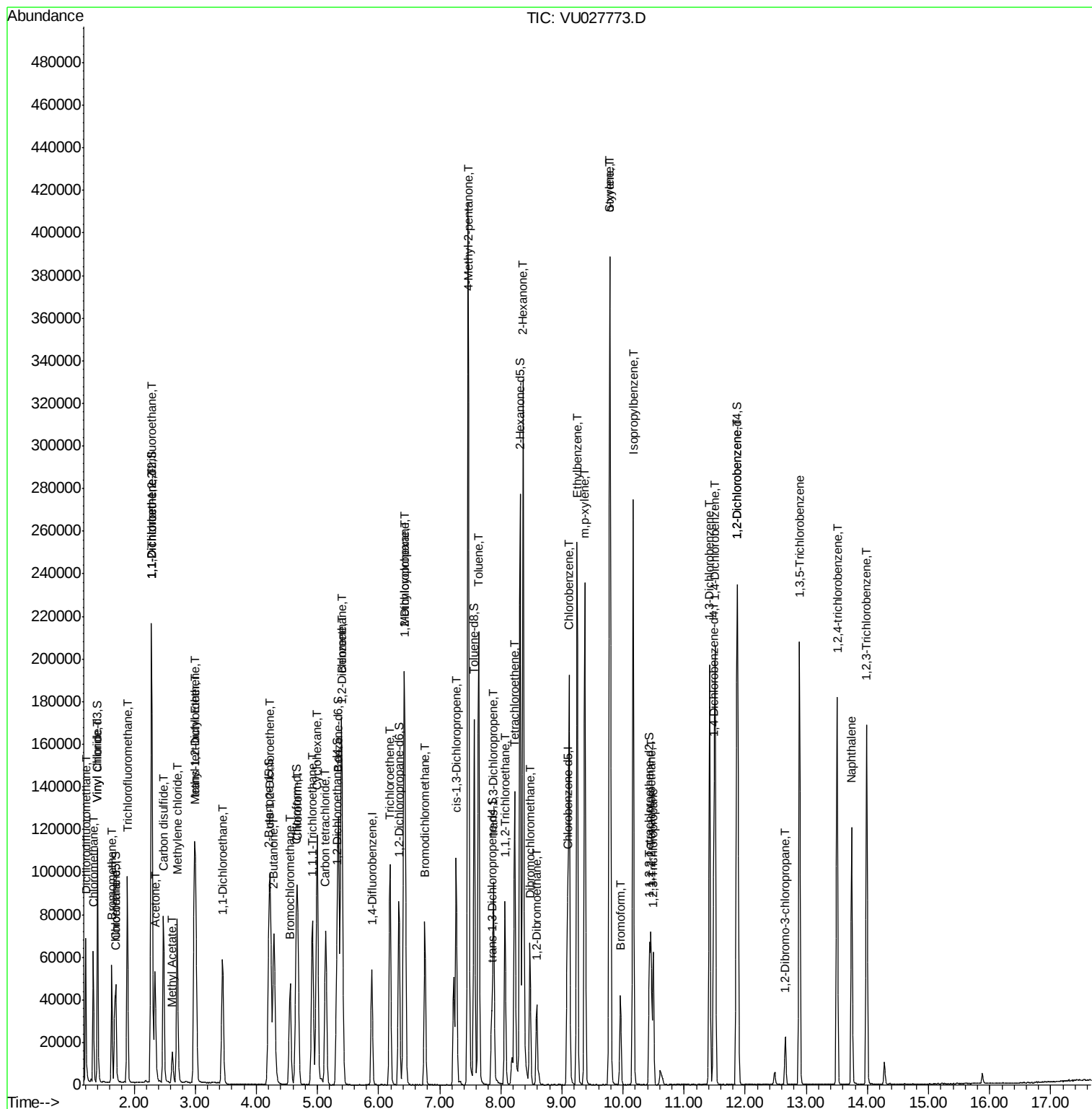
(#) = qualifier out of range (m) = manual integration (+) = signals summed

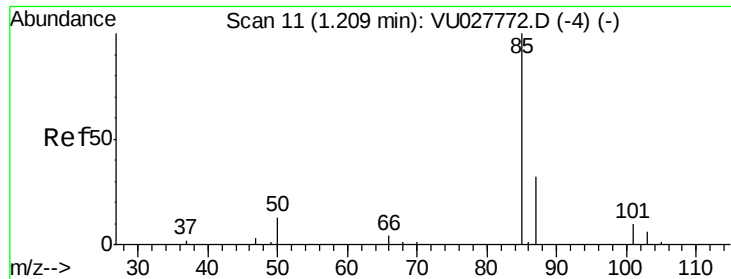
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#2

Dichlorodifluoromethane

Concen: 9.973 ug/L

RT: 1.21 min Scan# 11

Delta R.T. -0.00 min

Lab File: VU027773.D

Acq: 24 Oct 2018 09:46

Instrument :

MSVOA_U

ClientSampleId :

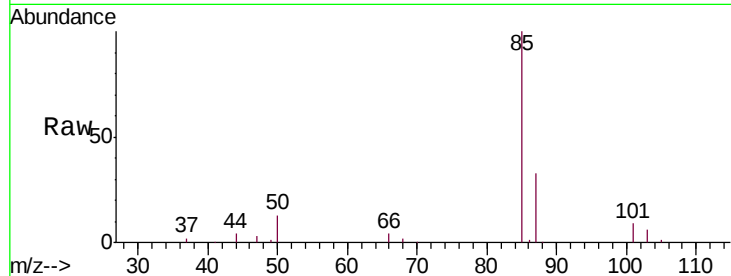
VSTD01045

Tgt Ion: 85 Resp: 40975

Ion Ratio Lower Upper

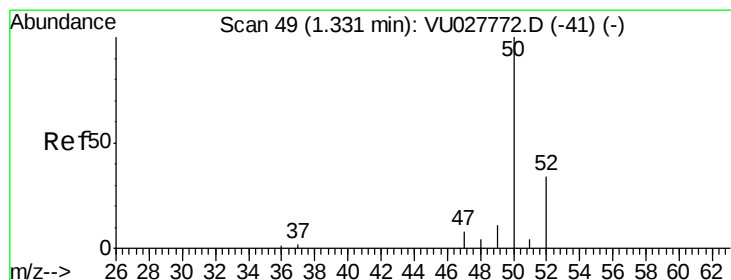
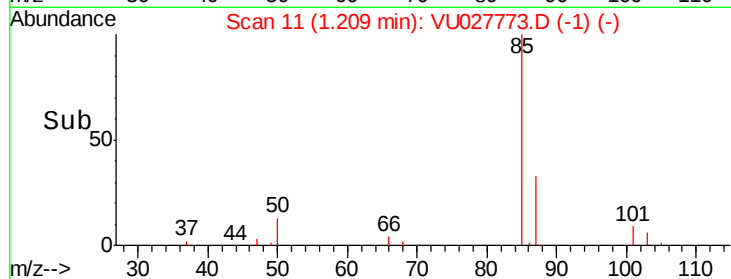
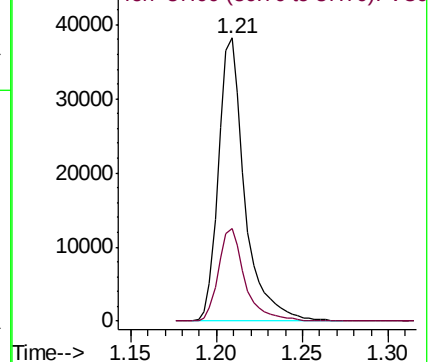
85 100

87 32.8 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: 9.864 ug/L

RT: 1.33 min Scan# 49

Delta R.T. -0.00 min

Lab File: VU027773.D

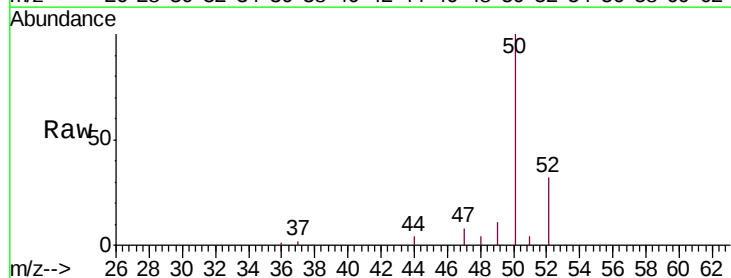
Acq: 24 Oct 2018 09:46

Tgt Ion: 50 Resp: 45510

Ion Ratio Lower Upper

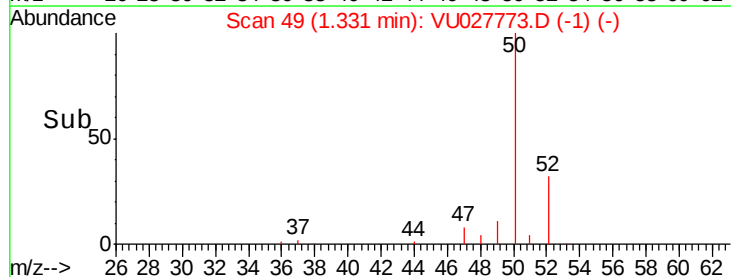
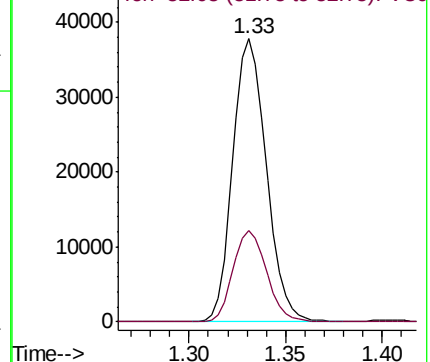
50 100

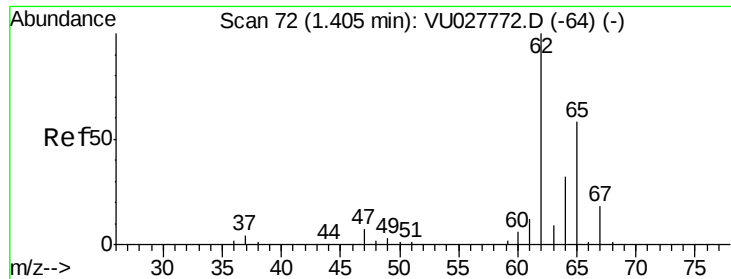
52 32.2 23.7 43.9



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0





#5

Vinyl chloride

Concen: 9.851 ug/L

RT: 1.40 min Scan# 72

Delta R.T. -0.00 min

Lab File: VU027773.D

Acq: 24 Oct 2018 09:46

Instrument :

MSVOA_U

ClientSampleId :

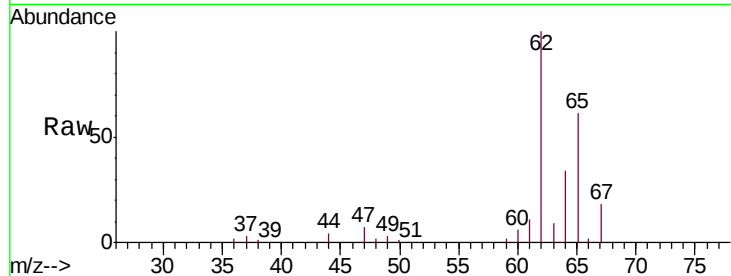
VSTD01045

Tgt Ion: 62 Resp: 43746

Ion Ratio Lower Upper

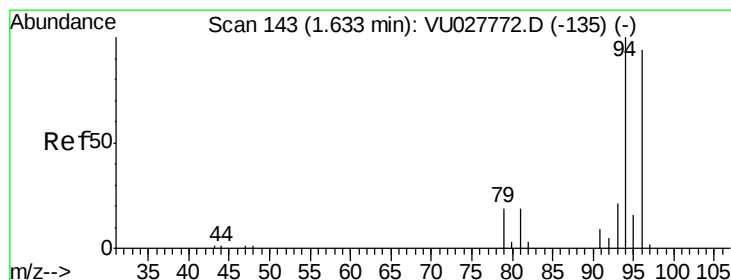
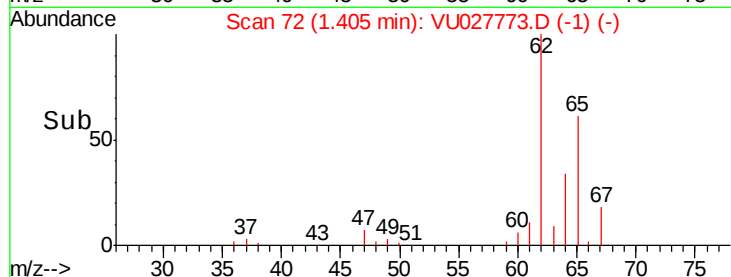
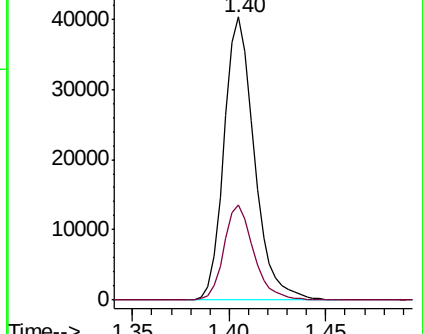
62 100

64 33.5 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: 9.963 ug/L

RT: 1.63 min Scan# 143

Delta R.T. -0.00 min

Lab File: VU027773.D

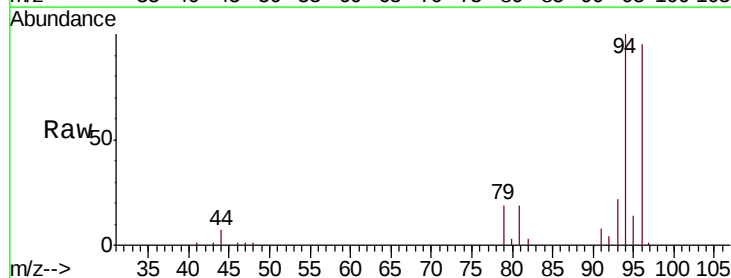
Acq: 24 Oct 2018 09:46

Tgt Ion: 94 Resp: 22680

Ion Ratio Lower Upper

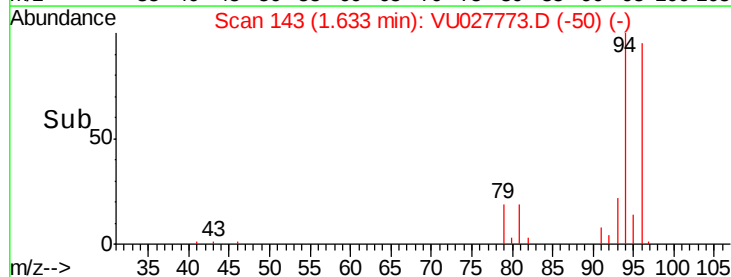
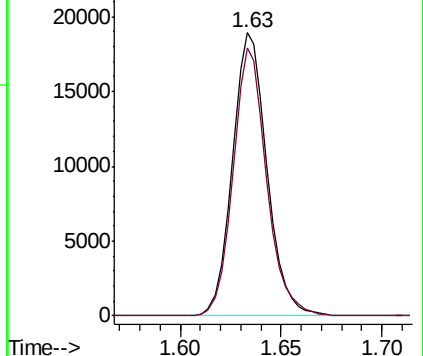
94 100

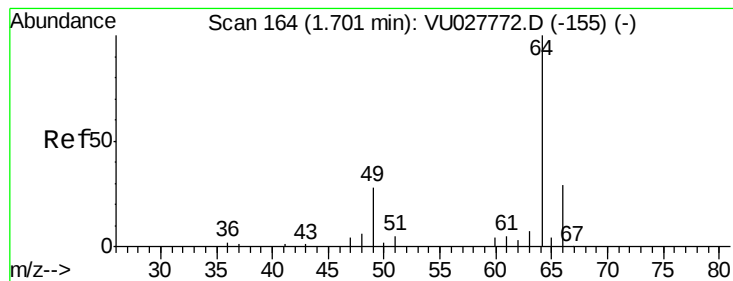
96 94.9 65.5 121.7



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 9.854 ug/L

RT: 1.70 min Scan# 165

Delta R.T. 0.00 min

Lab File: VU027773.D

Acq: 24 Oct 2018 09:46

Instrument :

MSVOA_U

ClientSampleId :

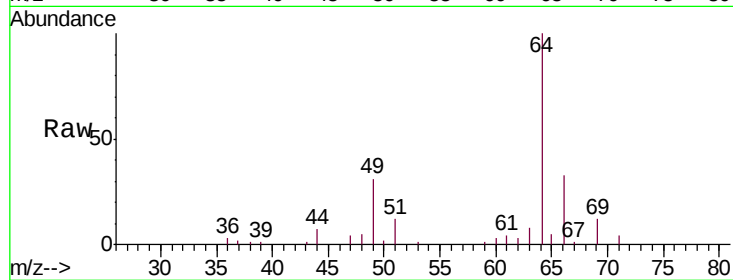
VSTD01045

Tgt Ion: 64 Resp: 23652

Ion Ratio Lower Upper

64 100

66 33.2 20.3 37.7



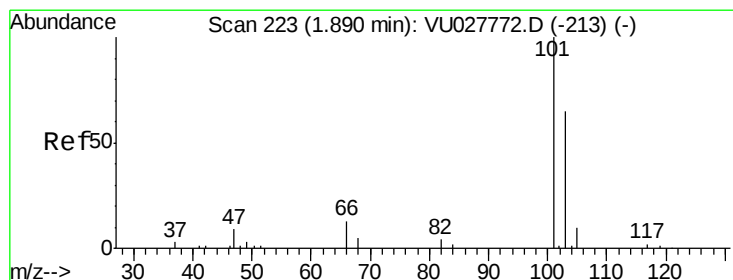
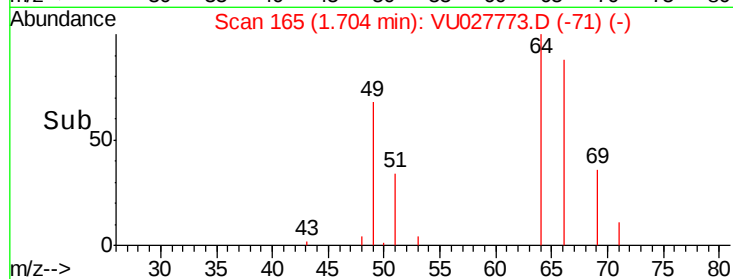
Abundance Ion 64.10 (63.80 to 64.80): VU027772.D (-155) (-)

Ion 66.05 (65.75 to 66.75): VU027773.D (-130) (-)

1.70

1.65 1.70 1.75

Time-->



#9

Trichlorofluoromethane

Concen: 9.870 ug/L

RT: 1.89 min Scan# 223

Delta R.T. -0.00 min

Lab File: VU027773.D

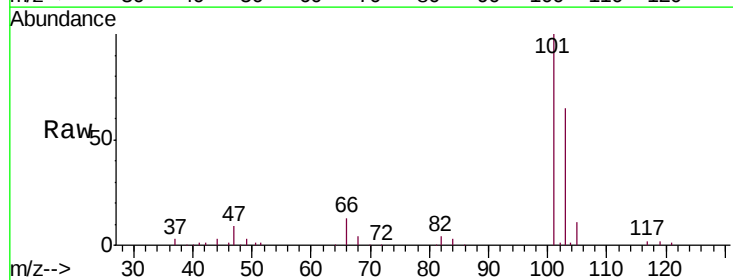
Acq: 24 Oct 2018 09:46

Tgt Ion: 101 Resp: 57945

Ion Ratio Lower Upper

101 100

103 64.8 51.0 76.4



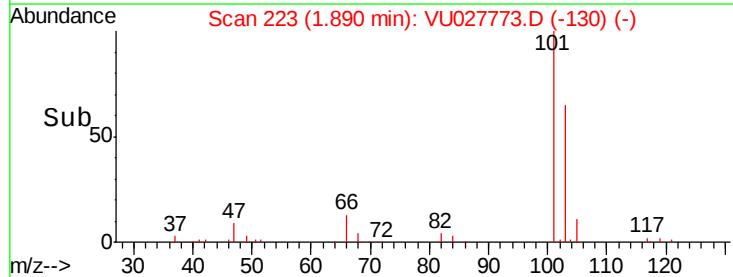
Abundance Ion 101.00 (100.70 to 101.70): VU027772.D (-213) (-)

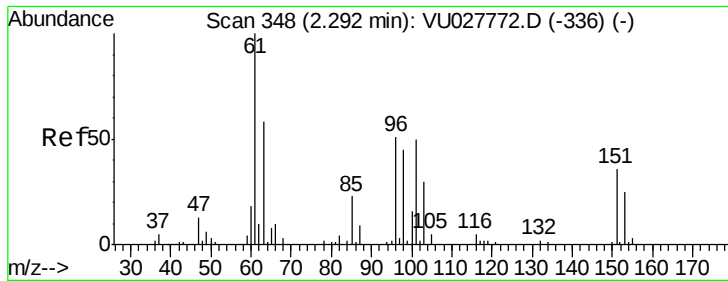
Ion 103.00 (102.70 to 103.70): VU027773.D (-130) (-)

1.89

1.85 1.90 1.95

Time-->





#10

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

Concen: 10.209 ug/L

RT: 2.29 min Scan# 348

Delta R.T. -0.00 min

Lab File: VU027773.D

Acq: 24 Oct 2018 09:46

Instrument :

MSVOA_U

ClientSampleId :

VSTD01045

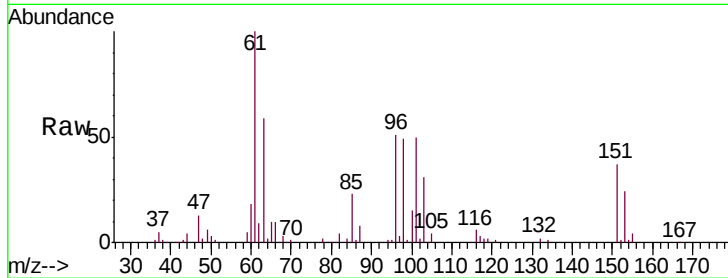
Tgt Ion: 101 Resp: 30253

Ion Ratio Lower Upper

101 100

85 46.7 38.1 57.1

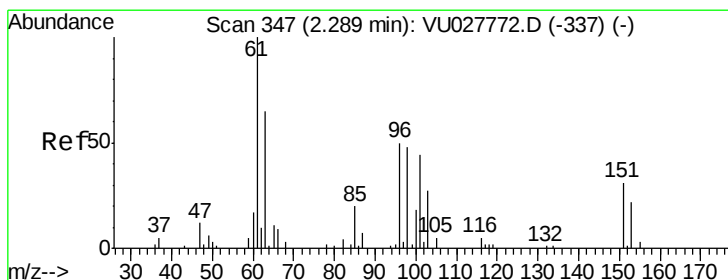
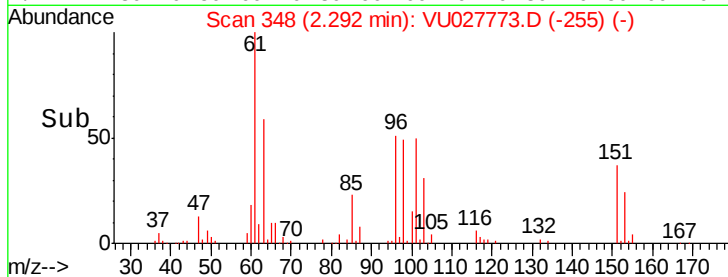
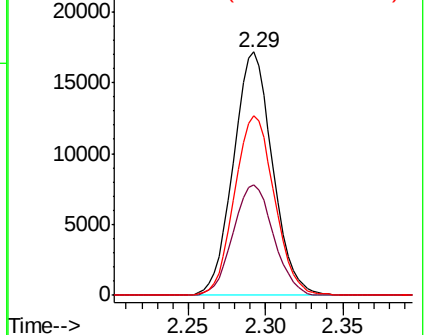
151 75.1 57.0 85.4



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: 10.094 ug/L

RT: 2.29 min Scan# 347

Delta R.T. -0.00 min

Lab File: VU027773.D

Acq: 24 Oct 2018 09:46

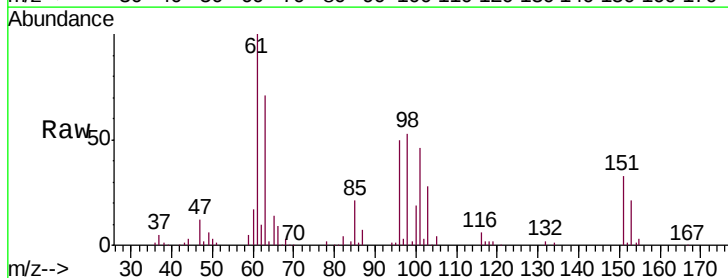
Tgt Ion: 96 Resp: 27876

Ion Ratio Lower Upper

96 100

61 201.2 143.8 267.0

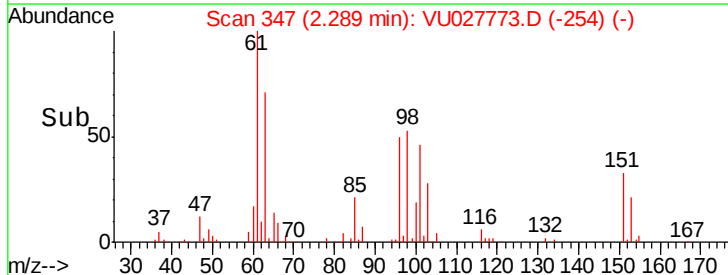
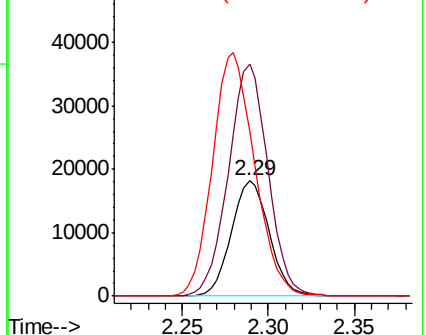
63 142.7 105.1 195.3

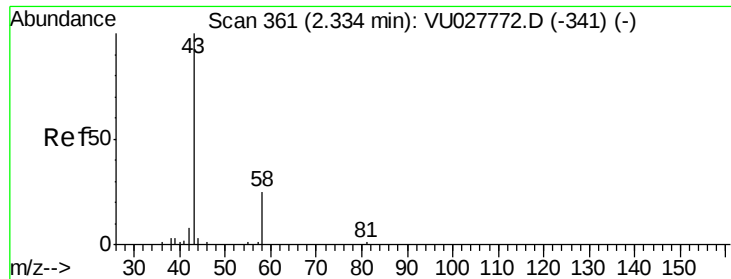


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 88.941 ug/L

RT: 2.34 min Scan# 363

Delta R.T. 0.01 min

Lab File: VU027773.D

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MSVOA_U

ClientSampleId :

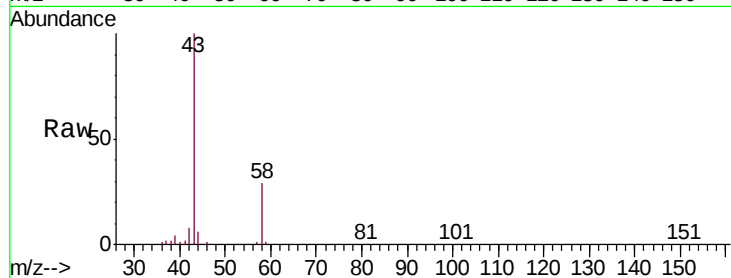
VSTD01045

Tgt Ion: 43 Resp: 67328

Ion Ratio Lower Upper

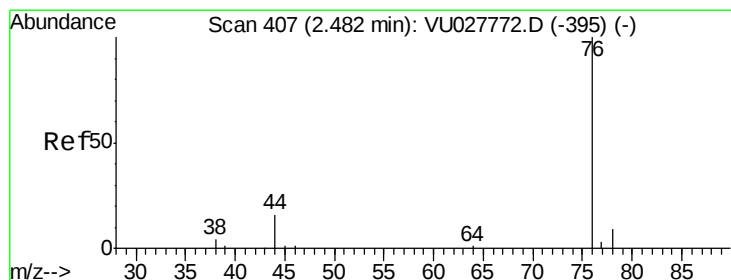
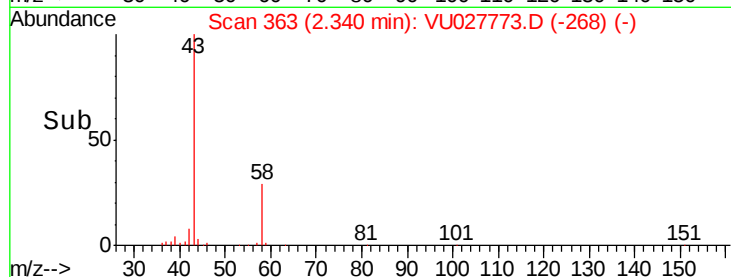
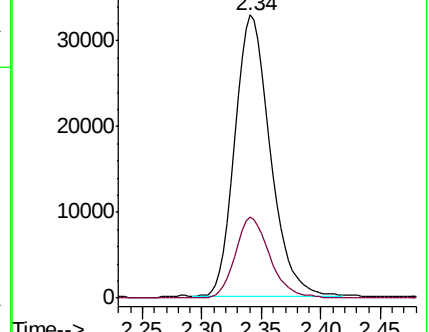
43 100

58 28.2 0.0 52.8



Abundance Ion 43.05 (42.75 to 43.75): VU027773.D (-363) (-)

Ion 58.05 (57.75 to 58.75): VU027773.D (-363) (-)



#14

Carbon disulfide

Concen: 9.822 ug/L

RT: 2.48 min Scan# 407

Delta R.T. -0.00 min

Lab File: VU027773.D

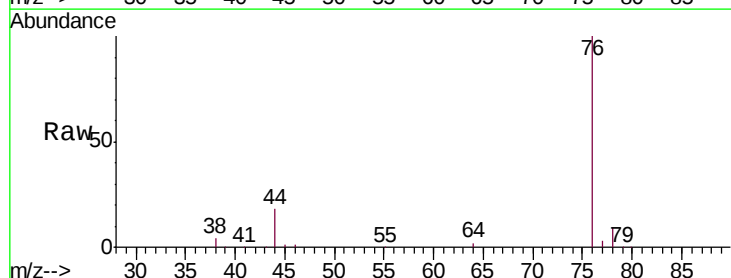
Acq: 24 Oct 2018 09:46

Tgt Ion: 76 Resp: 93117

Ion Ratio Lower Upper

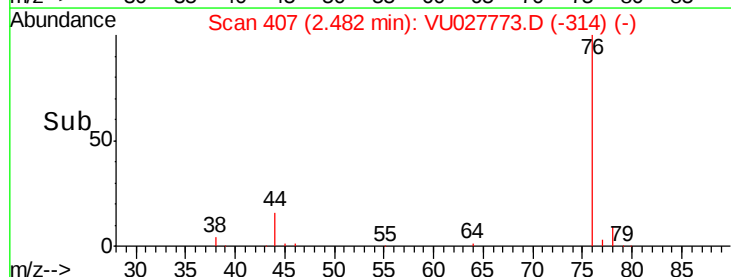
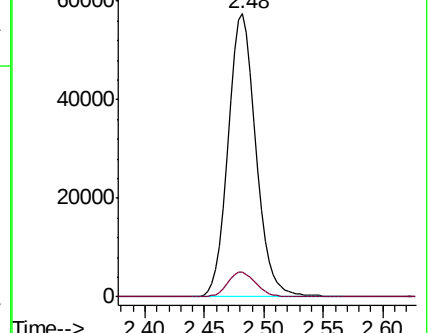
76 100

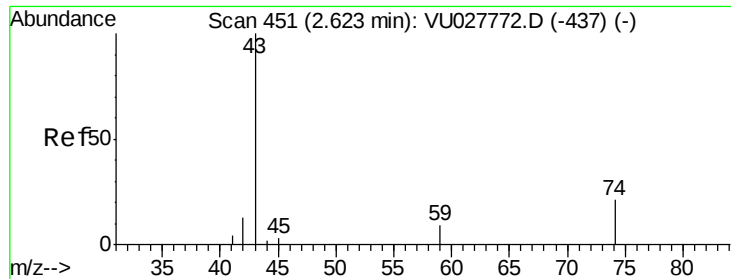
78 8.8 7.4 11.0



Abundance Ion 76.05 (75.75 to 76.75): VU027773.D (-407) (-)

Ion 78.00 (77.70 to 78.70): VU027773.D (-407) (-)

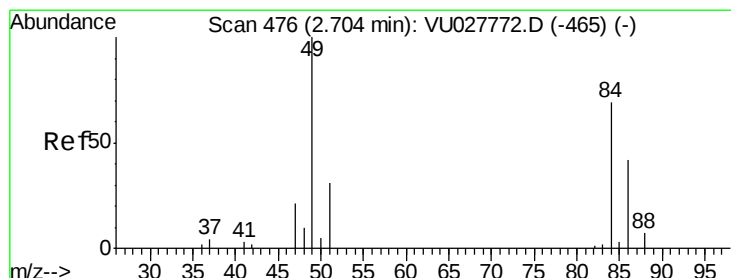
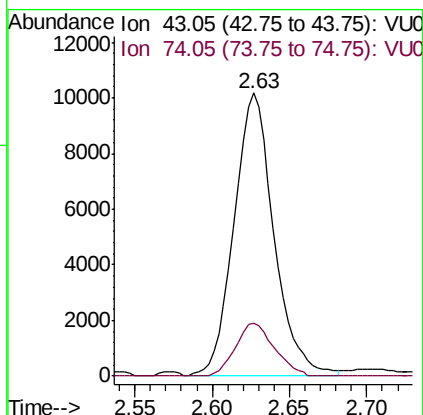
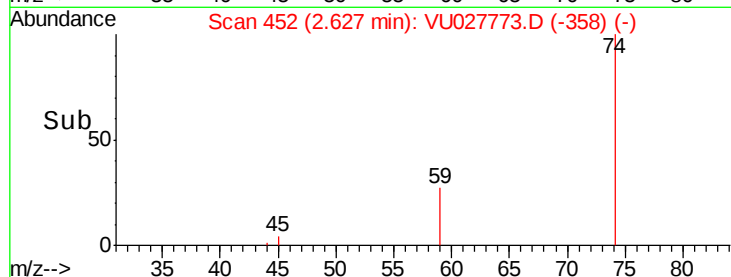
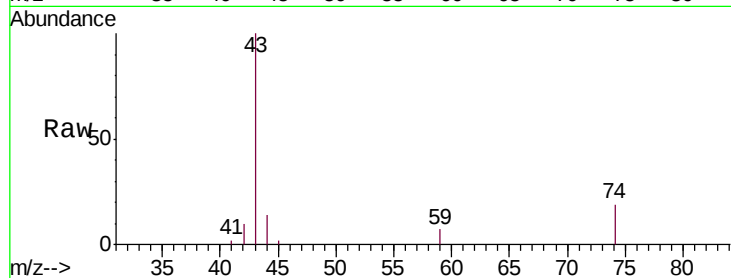




#15
Methyl Acetate
Concen: 8.623 ug/L
RT: 2.63 min Scan# 452
Delta R.T. 0.00 min
Lab File: VU027773.D
Acq: 24 Oct 2018 09:46

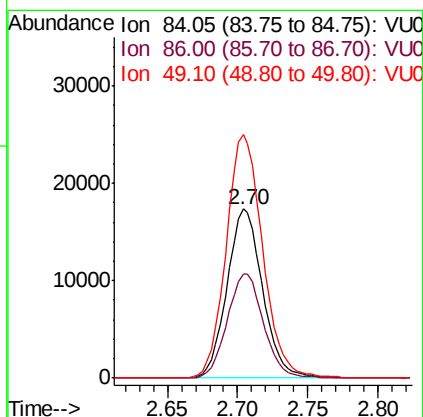
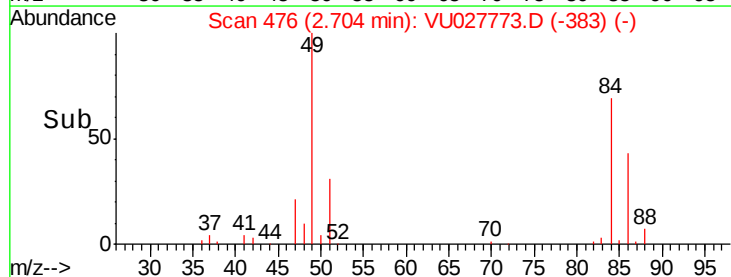
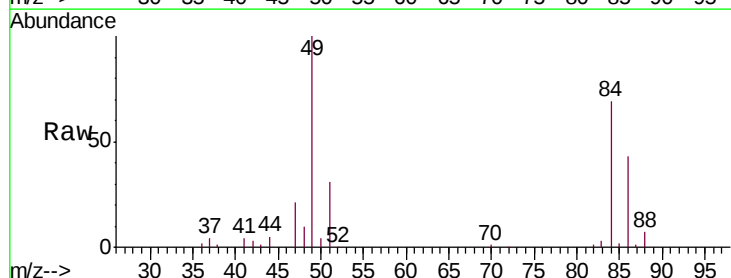
Instrument :
MSVOA_U
ClientSampleId :
VSTD01045

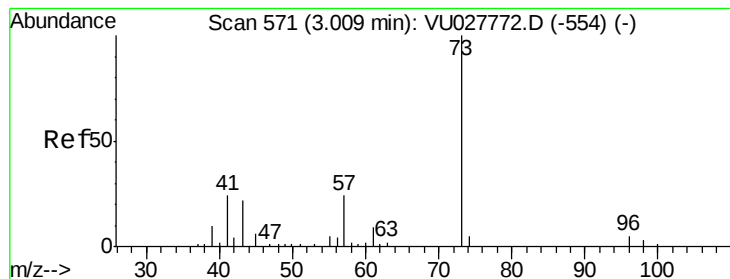
Tgt Ion: 43 Resp: 18264
Ion Ratio Lower Upper
43 100
74 18.1 15.8 23.8



#16
Methylene chloride
Concen: 9.421 ug/L
RT: 2.70 min Scan# 476
Delta R.T. -0.00 min
Lab File: VU027773.D
Acq: 24 Oct 2018 09:46

Tgt Ion: 84 Resp: 30685
Ion Ratio Lower Upper
84 100
86 61.7 42.8 79.4
49 143.9 101.4 188.4





#17

Methyl tert-butyl Ether

Concen: 9.689 ug/L

RT: 3.01 min Scan# 571

Delta R.T. -0.00 min

Lab File: VU027773.D

Acq: 24 Oct 2018 09:46

Instrument :

MSVOA_U

ClientSampleId :

VSTD01045

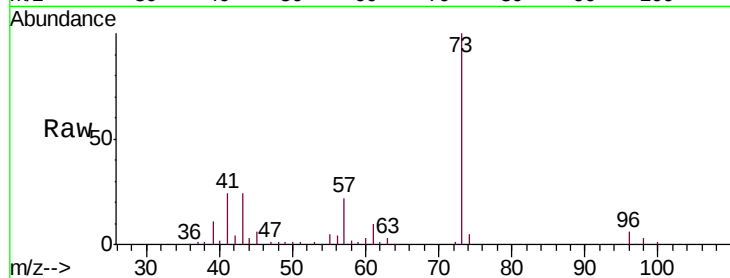
Tgt Ion: 73 Resp: 85650

Ion Ratio Lower Upper

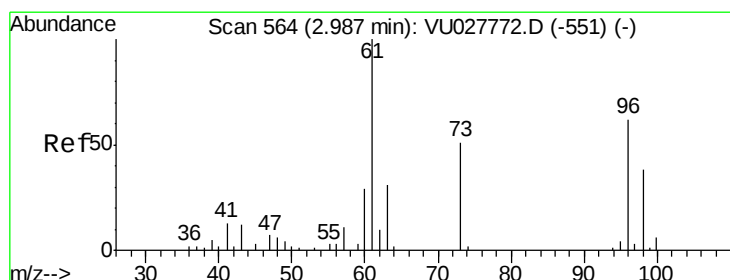
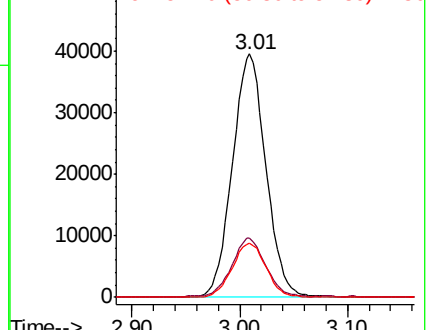
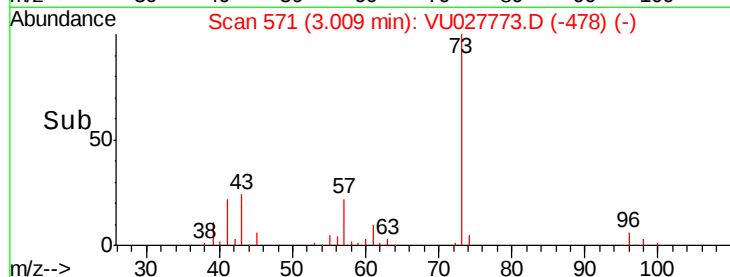
73 100

43 23.6 18.6 28.0

57 22.5 18.2 27.2



Abundance Ion 73.10 (72.80 to 73.80): VU027773.D (-478) (-)



#18

trans-1,2-Dichloroethene

Concen: 9.994 ug/L

RT: 2.98 min Scan# 563

Delta R.T. -0.00 min

Lab File: VU027773.D

Acq: 24 Oct 2018 09:46

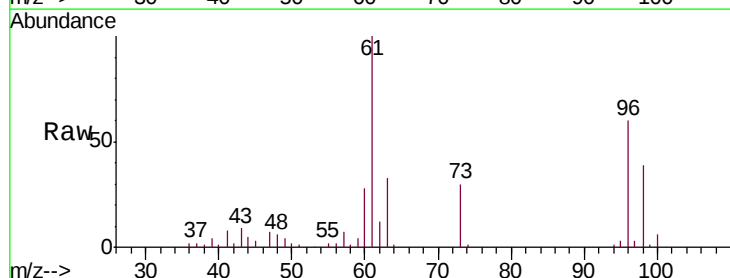
Tgt Ion: 96 Resp: 29576

Ion Ratio Lower Upper

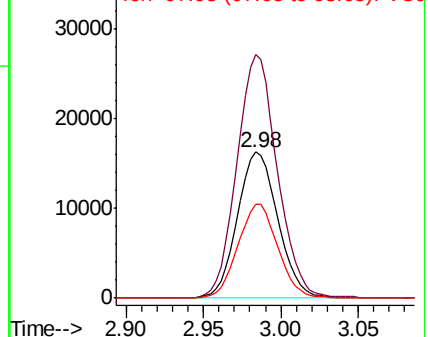
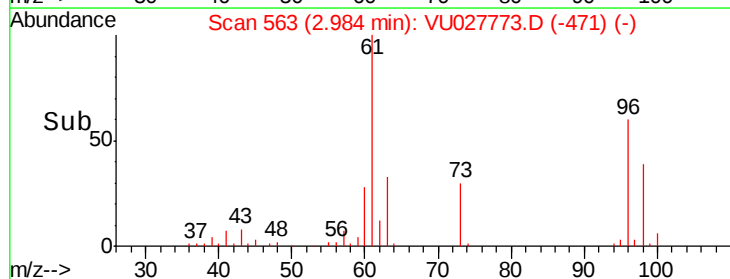
96 100

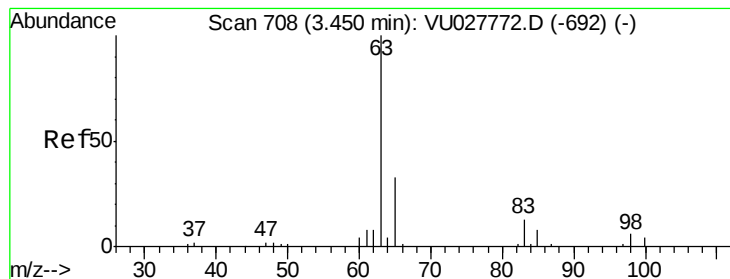
61 167.0 112.1 208.3

98 64.5 42.1 78.3



Abundance Ion 96.00 (95.70 to 96.70): VU027773.D (-471) (-)





#19

1,1-Dichloroethane

Concen: 9.614 ug/L

RT: 3.45 min Scan# 708

Delta R.T. -0.00 min

Lab File: VU027773.D

Acq: 24 Oct 2018 09:46

Instrument :

MSVOA_U

ClientSampleId :

VSTD01045

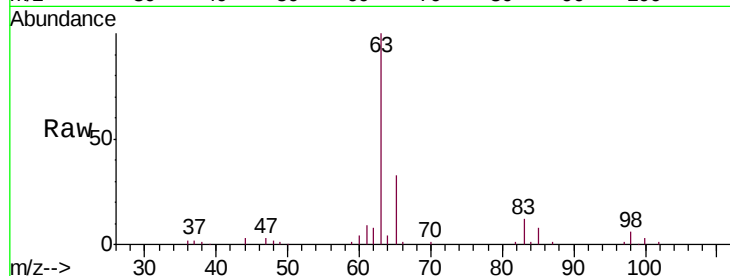
Tgt Ion: 63 Resp: 62907

Ion Ratio Lower Upper

63 100

65 33.2 23.1 42.9

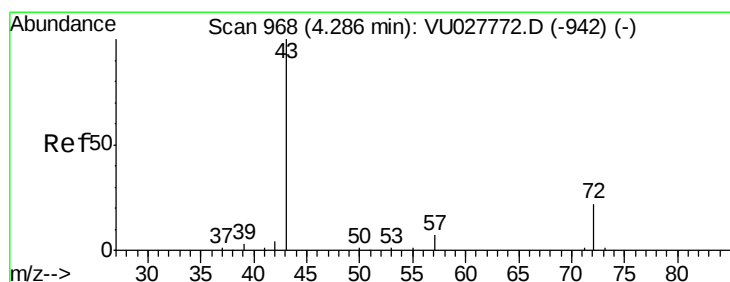
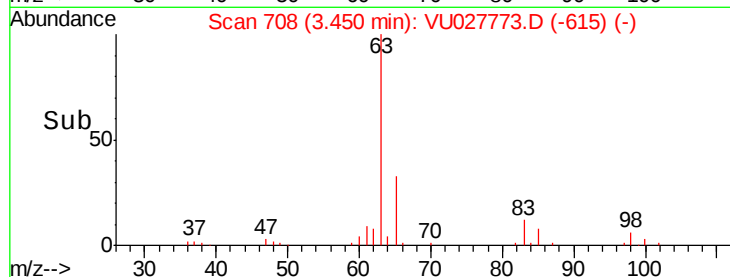
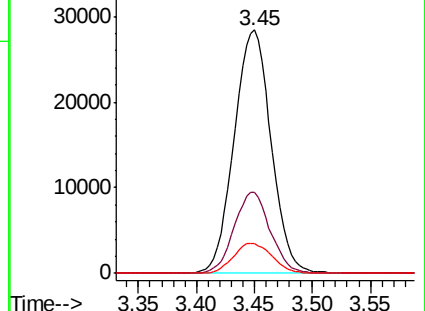
83 12.1 9.2 17.0



Abundance Ion 63.10 (62.80 to 63.80): VU027773.D (-692) (-)

Ion 65.10 (64.80 to 65.80): VU027773.D (-692) (-)

Ion 83.05 (82.75 to 83.75): VU027773.D (-692) (-)



#21

2-Butanone

Concen: 97.547 ug/L

RT: 4.29 min Scan# 969

Delta R.T. 0.00 min

Lab File: VU027773.D

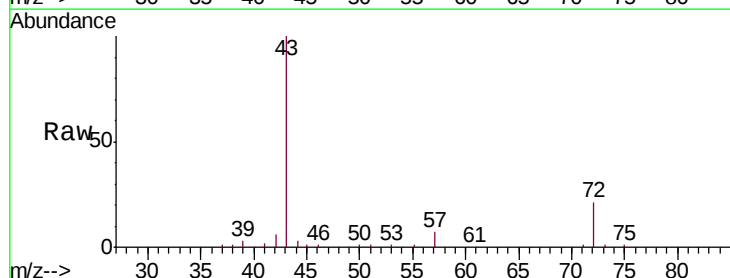
Acq: 24 Oct 2018 09:46

Tgt Ion: 43 Resp: 121160

Ion Ratio Lower Upper

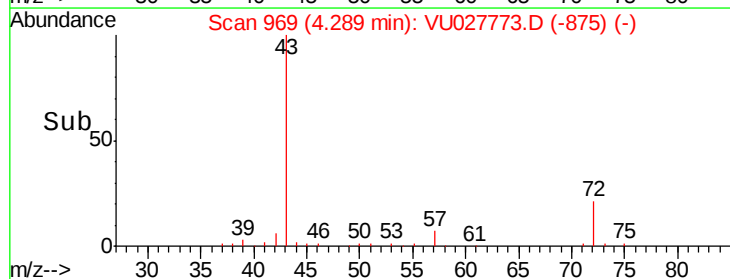
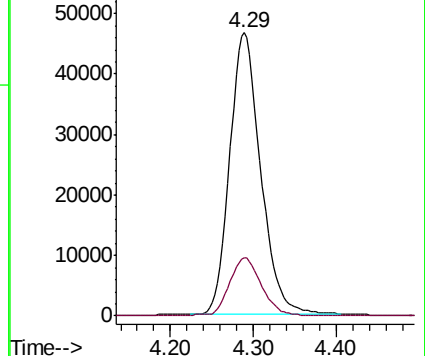
43 100

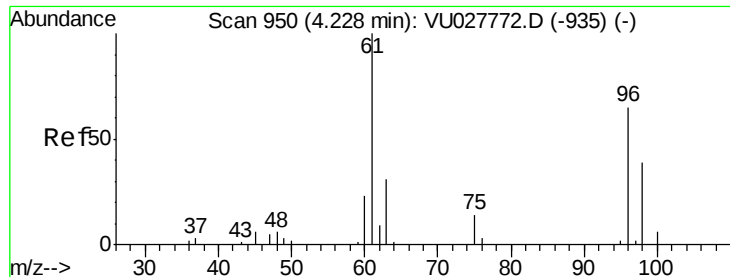
72 21.3 10.5 31.6



Abundance Ion 43.05 (42.75 to 43.75): VU027773.D (-875) (-)

Ion 72.10 (71.80 to 72.80): VU027773.D (-875) (-)



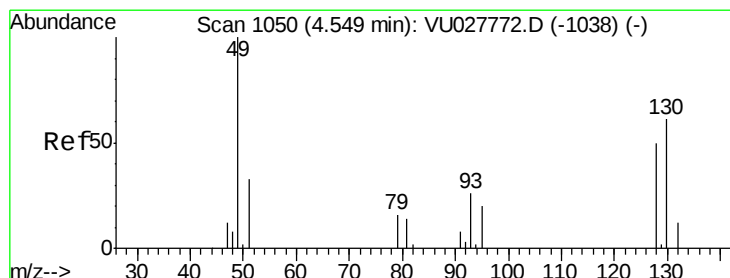
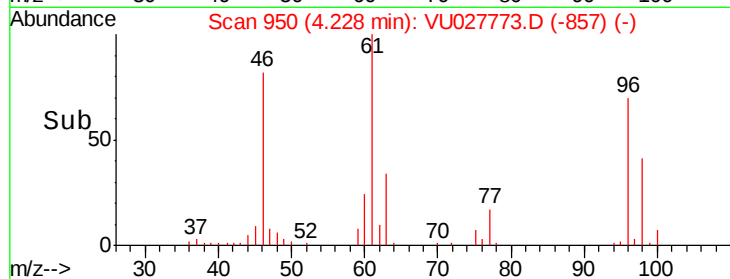
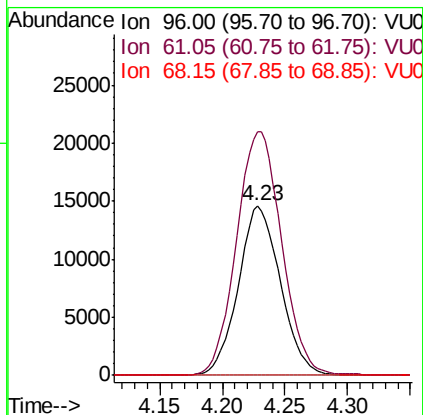
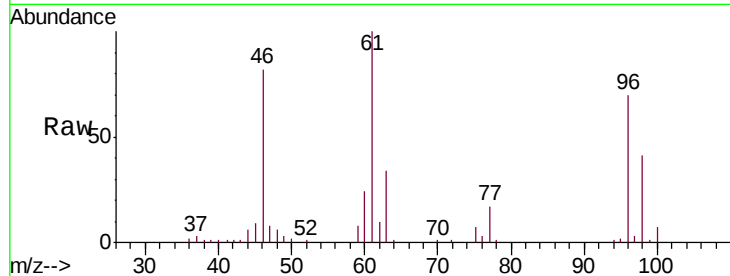


#22

cis-1,2-Dichloroethene
 Concen: 9.687 ug/L
 RT: 4.23 min Scan# 950
 Delta R.T. -0.00 min
 Lab File: VU027773.D
 Acq: 24 Oct 2018 09:46

Instrument :
 MSVOA_U
 ClientSampled :
 VSTD01045

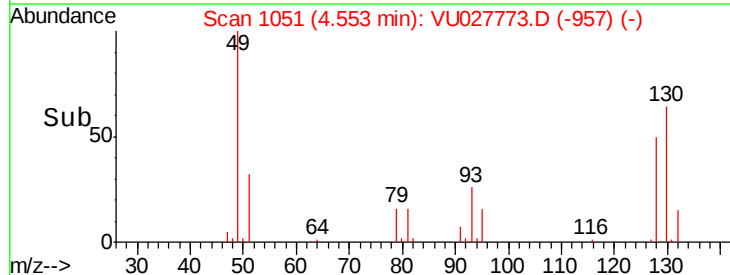
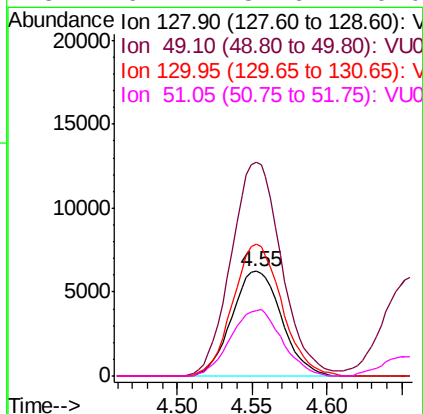
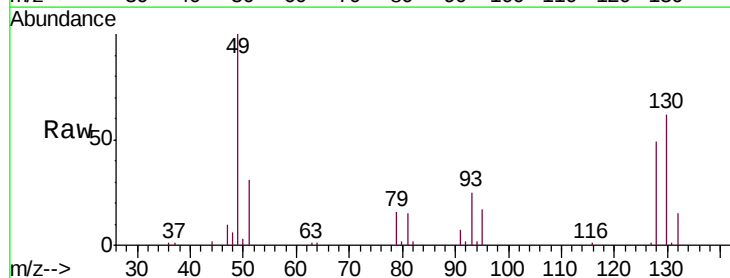
Tgt Ion: 96 Resp: 34050
 Ion Ratio Lower Upper
 96 100
 61 143.0 107.2 199.0
 68 0.0 0.0 0.0

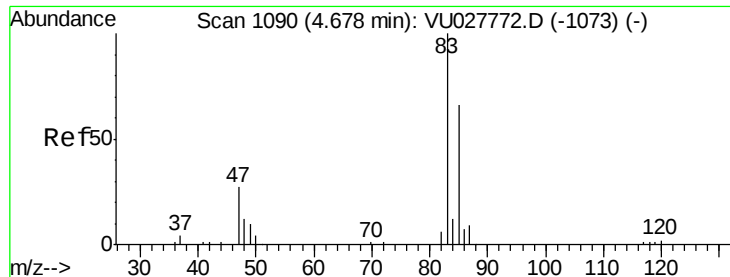


#23

Bromochloromethane
 Concen: 10.152 ug/L
 RT: 4.55 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VU027773.D
 Acq: 24 Oct 2018 09:46

Tgt Ion: 128 Resp: 14467
 Ion Ratio Lower Upper
 128 100
 49 204.3 142.8 265.2
 130 126.7 86.0 159.8
 51 62.7 52.6 79.0

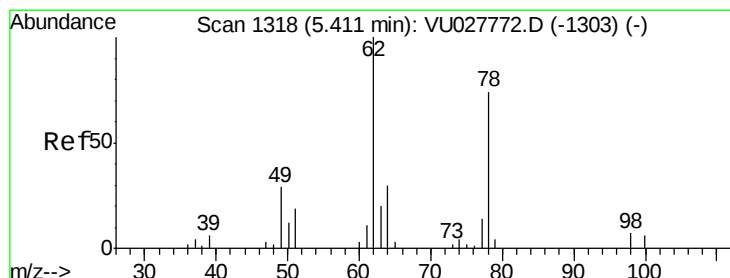
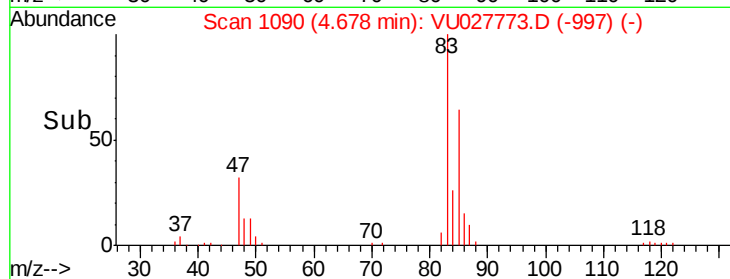
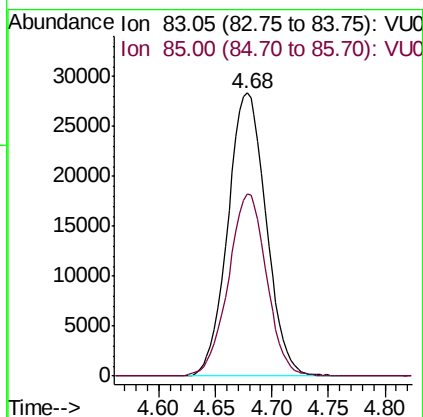
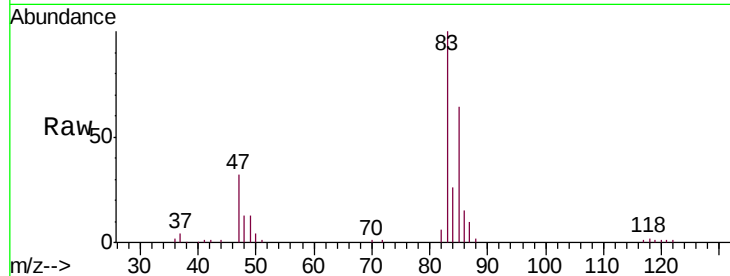




#25
Chloroform
Concen: 10.138 ug/L
RT: 4.68 min Scan# 1090
Delta R.T. -0.00 min
Lab File: VU027773.D
Acq: 24 Oct 2018 09:46

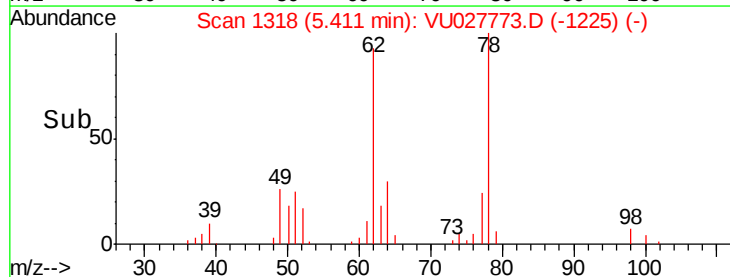
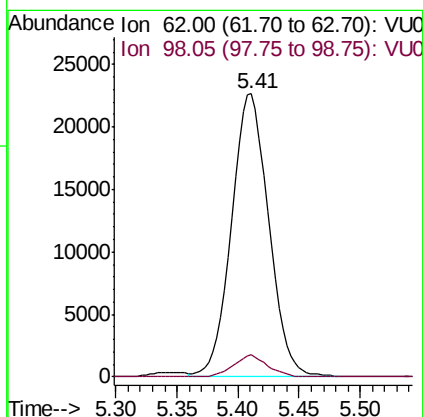
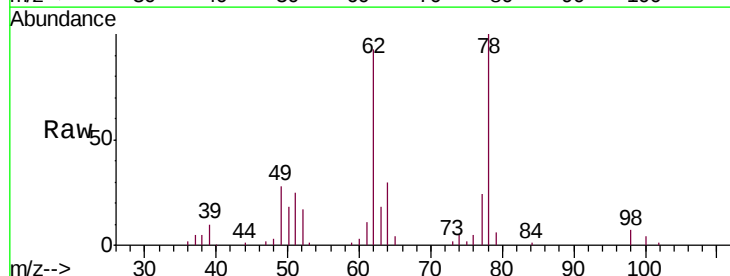
Instrument :
MSVOA_U
ClientSampleId :
VSTD01045

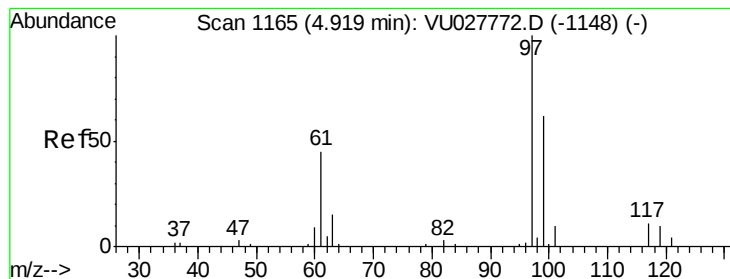
Tgt Ion: 83 Resp: 66800
Ion Ratio Lower Upper
83 100
85 64.2 45.8 85.2



#27
1,2-Dichloroethane
Concen: 9.878 ug/L
RT: 5.41 min Scan# 1318
Delta R.T. -0.00 min
Lab File: VU027773.D
Acq: 24 Oct 2018 09:46

Tgt Ion: 62 Resp: 48075
Ion Ratio Lower Upper
62 100
98 7.7 5.7 8.5





#29

1,1,1-Trichloroethane

Concen: 9.974 ug/L

RT: 4.92 min Scan# 1164

Delta R.T. -0.00 min

Lab File: VU027773.D

Acq: 24 Oct 2018 09:46

Instrument :

MSVOA_U

ClientSampleId :

VSTD01045

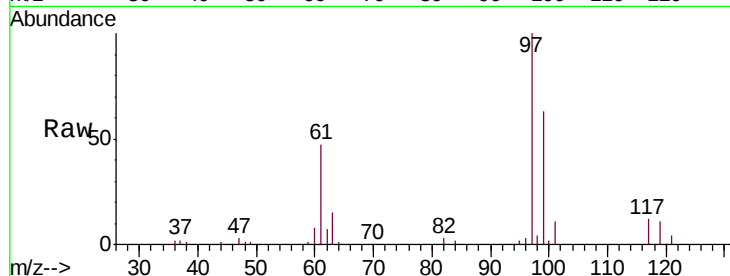
Tgt Ion: 97 Resp: 59088

Ion Ratio Lower Upper

97 100

99 64.9 51.3 76.9

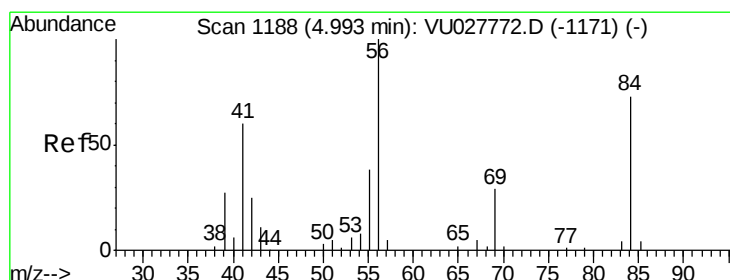
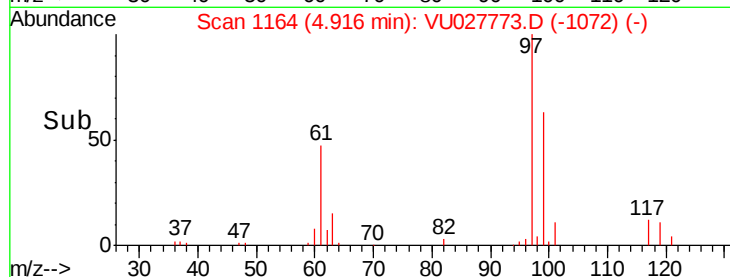
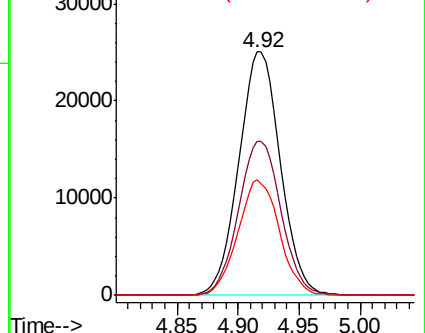
61 47.3 36.7 55.1



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: 10.023 ug/L

RT: 5.00 min Scan# 1189

Delta R.T. 0.00 min

Lab File: VU027773.D

Acq: 24 Oct 2018 09:46

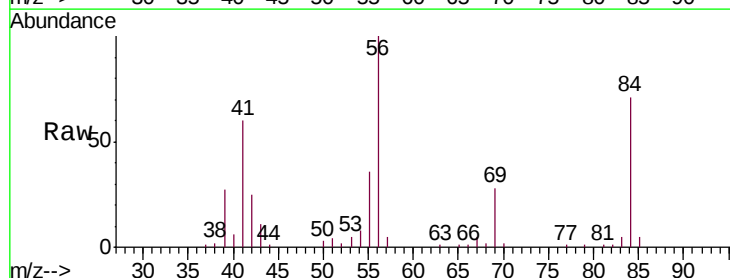
Tgt Ion: 56 Resp: 66509

Ion Ratio Lower Upper

56 100

69 27.9 22.2 33.4

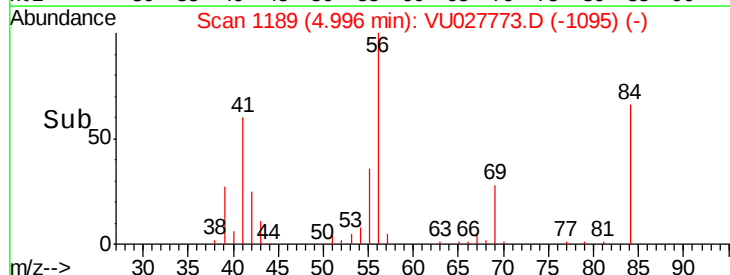
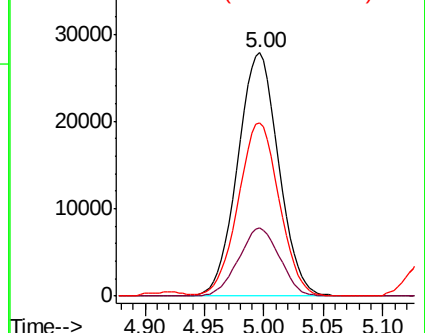
84 71.3 58.6 88.0

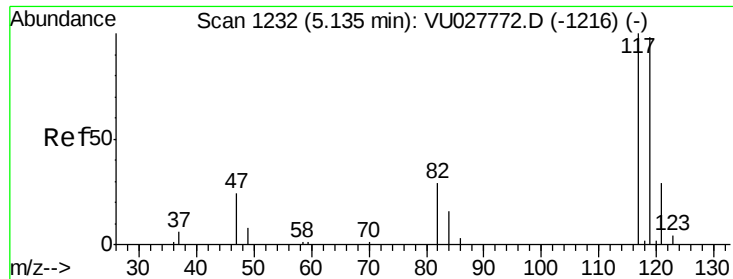


Abundance Ion 56.10 (55.80 to 56.80): VU0

Ion 69.15 (68.85 to 69.85): VU0

Ion 84.15 (83.85 to 84.85): VU0





#31

Carbon tetrachloride

Concen: 10.082 ug/L

RT: 5.13 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VU027773.D

Acq: 24 Oct 2018 09:46

Instrument :

MSVOA_U

ClientSampleId :

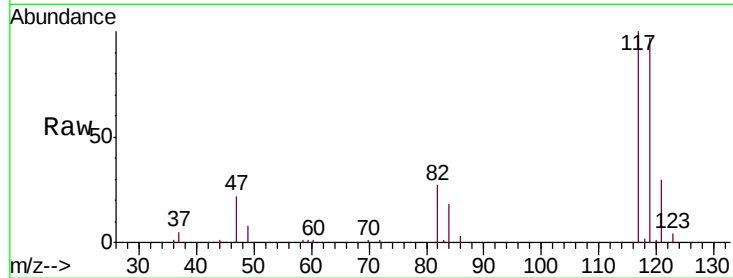
VSTD01045

Tgt Ion:117 Resp: 51254

Ion Ratio Lower Upper

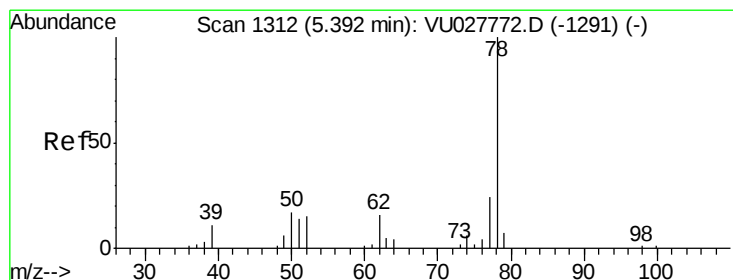
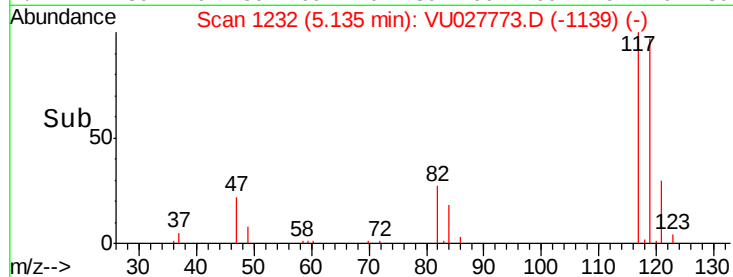
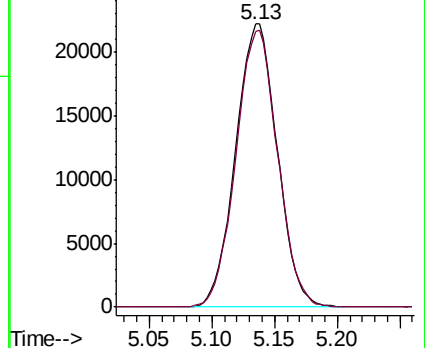
117 100

119 97.8 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: 10.121 ug/L

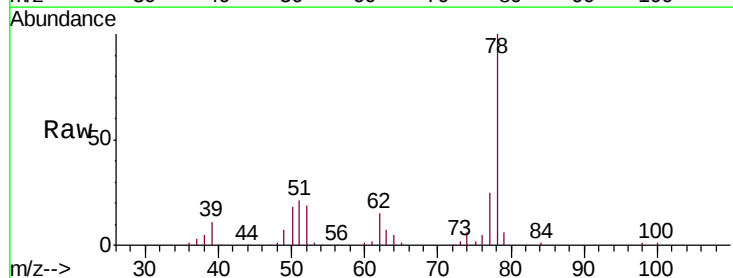
RT: 5.39 min Scan# 1312

Delta R.T. -0.00 min

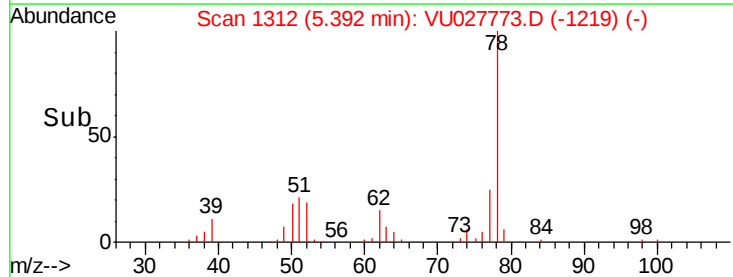
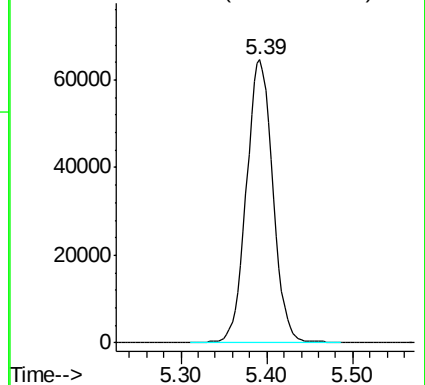
Lab File: VU027773.D

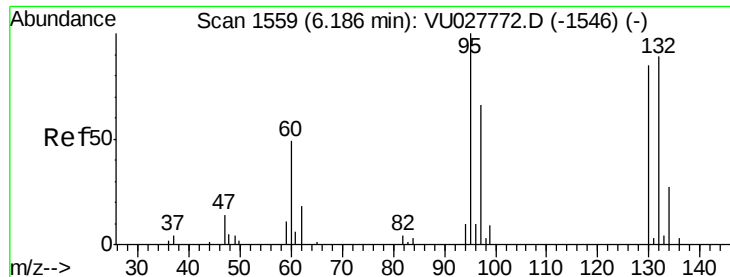
Acq: 24 Oct 2018 09:46

Tgt Ion: 78 Resp: 138529



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 10.242 ug/L

RT: 6.19 min Scan# 1560

Delta R.T. 0.00 min

Lab File: VU027773.D

Acq: 24 Oct 2018 09:46

Instrument :

MSVOA_U

ClientSampleId :

VSTD01045

Tgt Ion: 95 Resp: 36321

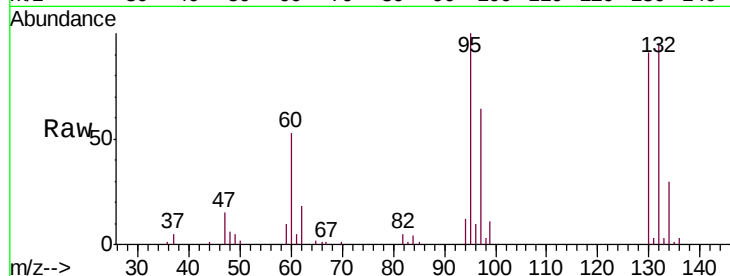
Ion Ratio Lower Upper

95 100

97 64.4 46.4 86.2

132 94.7 62.0 115.2

130 90.8 59.5 110.5

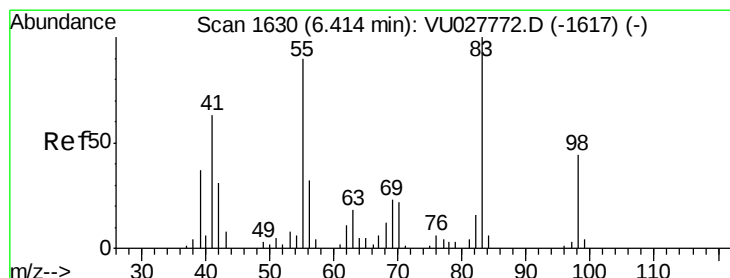
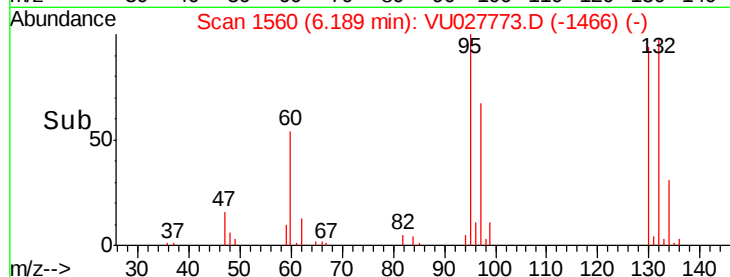
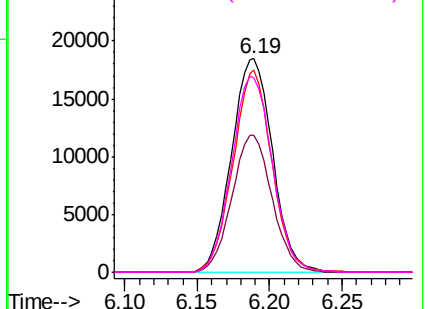


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 10.161 ug/L

RT: 6.41 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VU027773.D

Acq: 24 Oct 2018 09:46

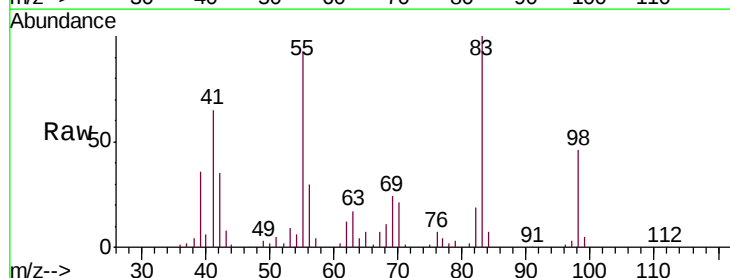
Tgt Ion: 83 Resp: 60212

Ion Ratio Lower Upper

83 100

55 92.3 71.5 107.3

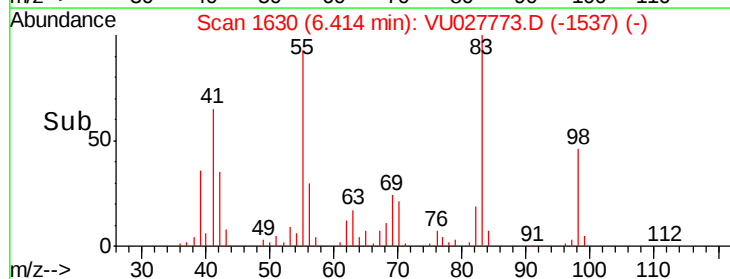
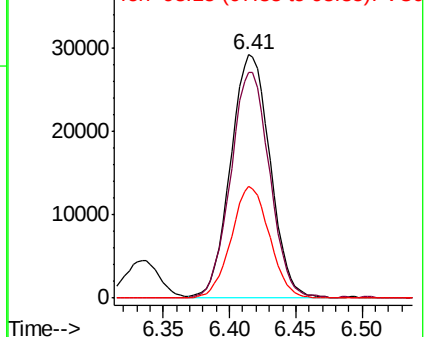
98 44.6 35.4 53.0

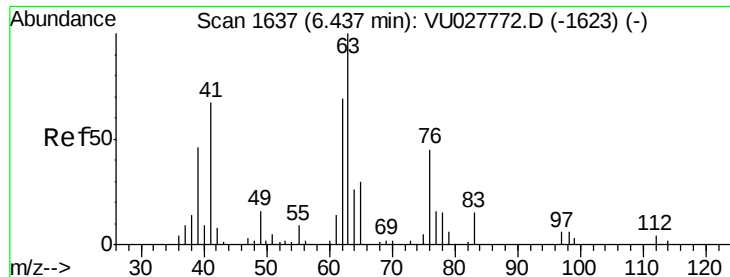


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

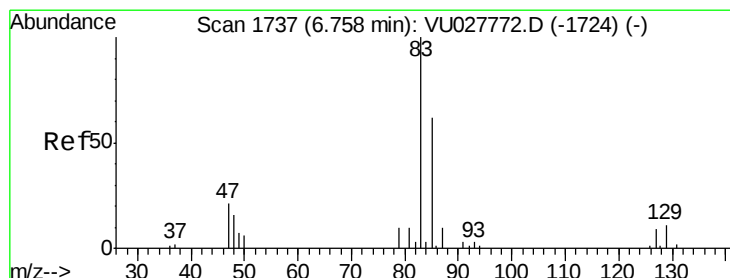
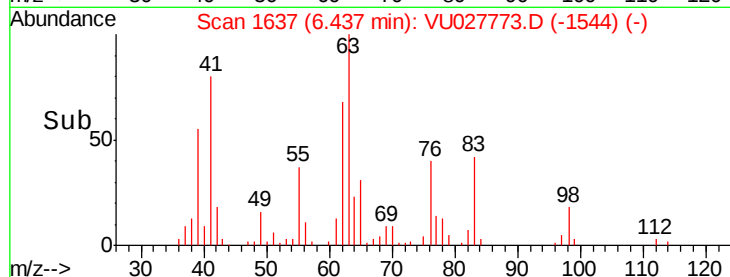
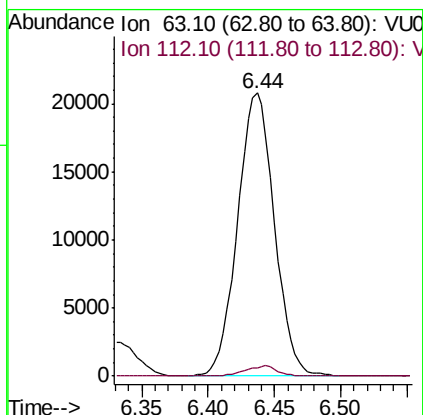
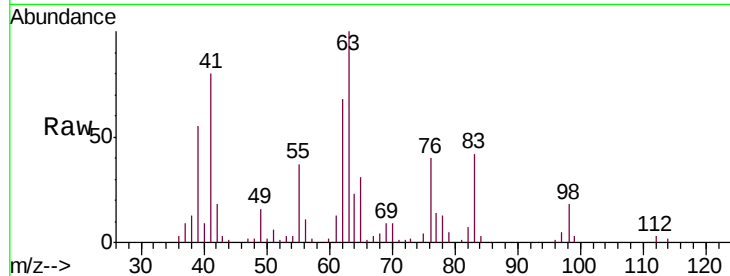




#37
 1,2-Dichloropropane
 Concen: 9.986 ug/L
 RT: 6.44 min Scan# 1637
 Delta R.T. -0.00 min
 Lab File: VU027773.D
 Acq: 24 Oct 2018 09:46

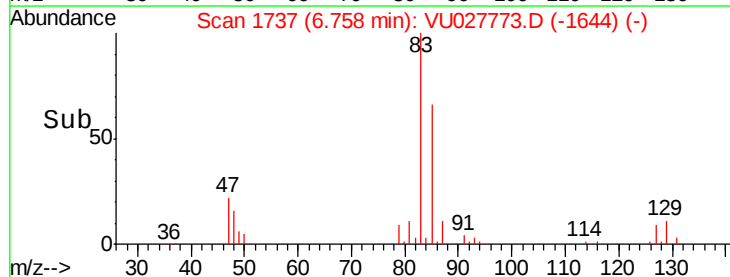
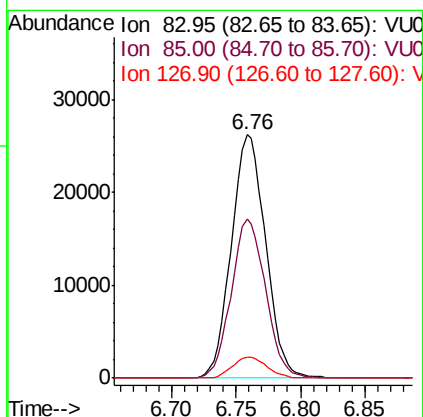
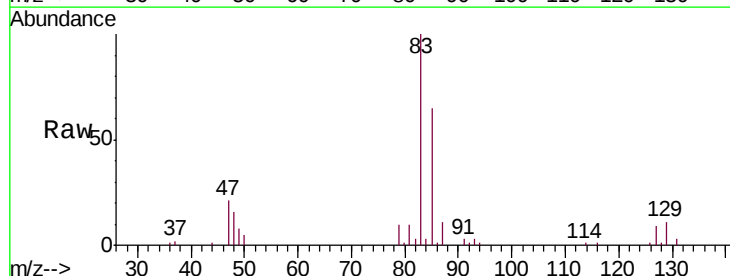
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01045

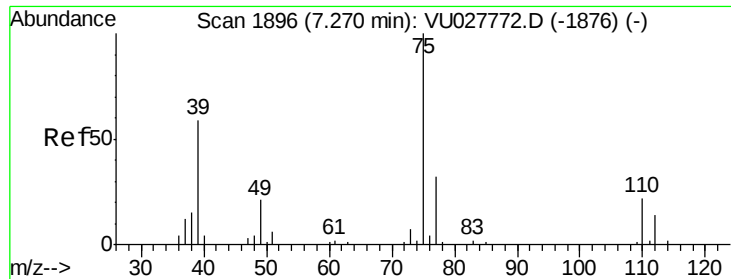
Tgt Ion: 63 Resp: 40133
 Ion Ratio Lower Upper
 63 100
 112 3.1 2.7 4.1



#38
 Bromodichloromethane
 Concen: 10.104 ug/L
 RT: 6.76 min Scan# 1737
 Delta R.T. -0.00 min
 Lab File: VU027773.D
 Acq: 24 Oct 2018 09:46

Tgt Ion: 83 Resp: 48486
 Ion Ratio Lower Upper
 83 100
 85 65.4 43.3 80.5
 127 8.8 7.2 10.8

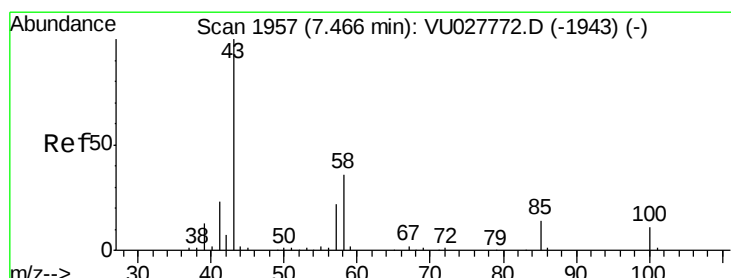
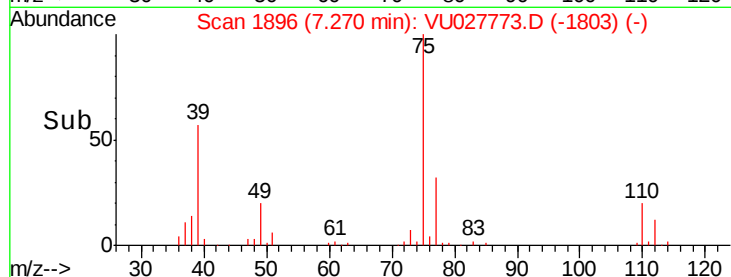
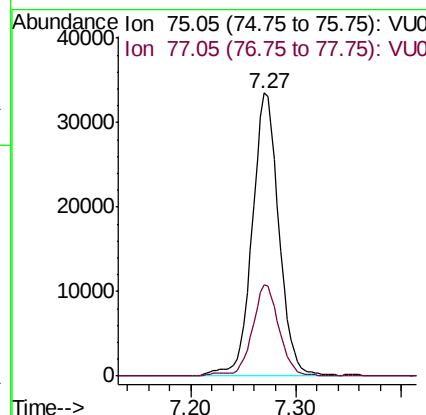
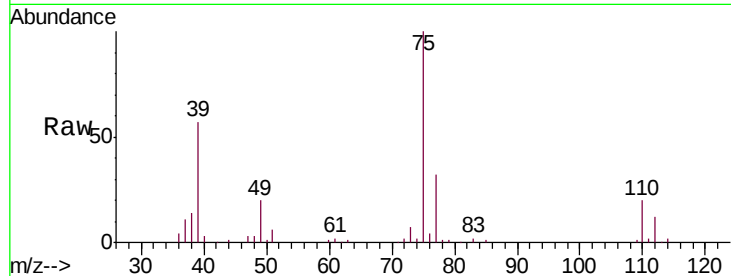




#39
 cis-1,3-Dichloropropene
 Concen: 10.332 ug/L
 RT: 7.27 min Scan# 1896
 Delta R.T. -0.00 min
 Lab File: VU027773.D
 Acq: 24 Oct 2018 09:46

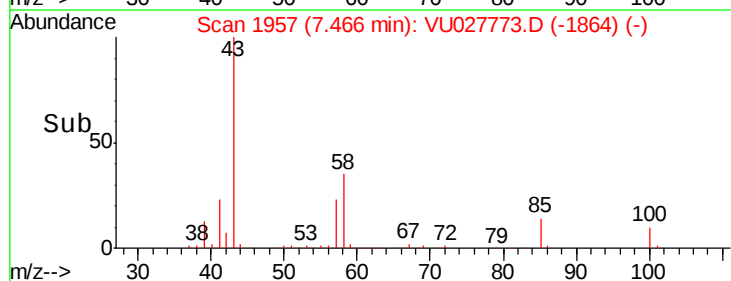
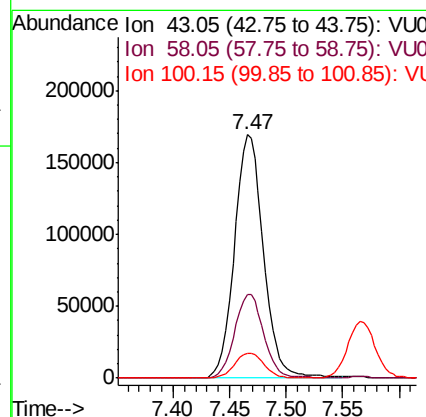
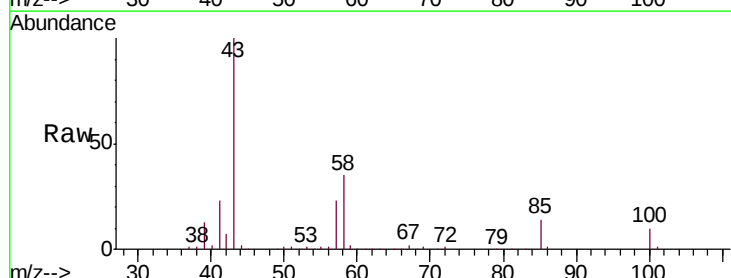
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01045

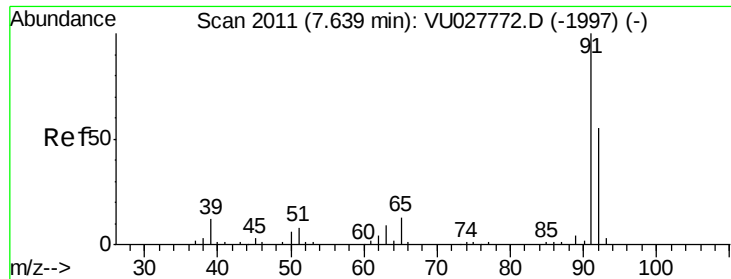
Tgt Ion: 75 Resp: 59472
 Ion Ratio Lower Upper
 75 100
 77 32.4 22.5 41.7



#40
 4-Methyl-2-pentanone
 Concen: 100.421 ug/L
 RT: 7.47 min Scan# 1957
 Delta R.T. -0.00 min
 Lab File: VU027773.D
 Acq: 24 Oct 2018 09:46

Tgt Ion: 43 Resp: 301719
 Ion Ratio Lower Upper
 43 100
 58 34.8 28.1 42.1
 100 10.6 8.7 13.1





#42

Toluene

Concen: 10.152 ug/L

RT: 7.64 min Scan# 2011

Delta R.T. -0.00 min

Lab File: VU027773.D

Acq: 24 Oct 2018 09:46

Instrument :

MSVOA_U

ClientSampleId :

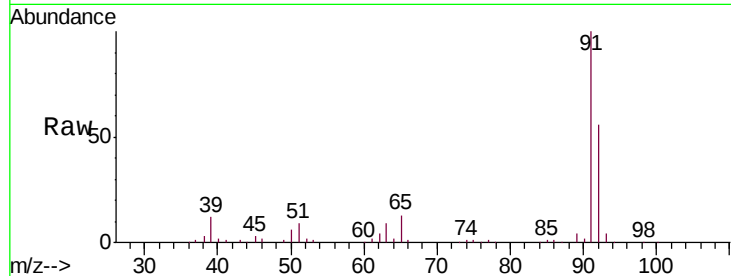
VSTD01045

Tgt Ion: 91 Resp: 149574

Ion Ratio Lower Upper

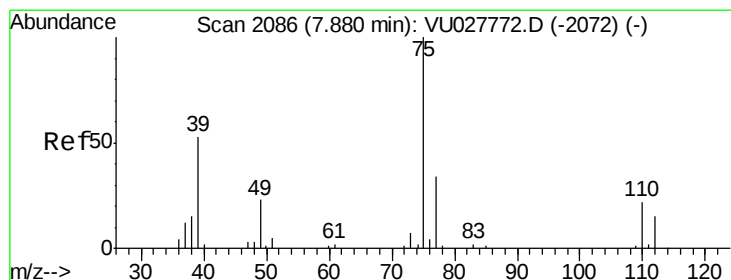
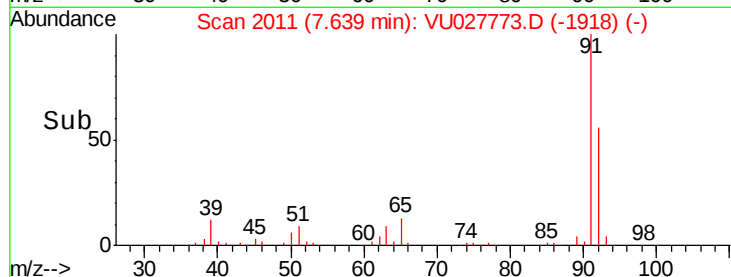
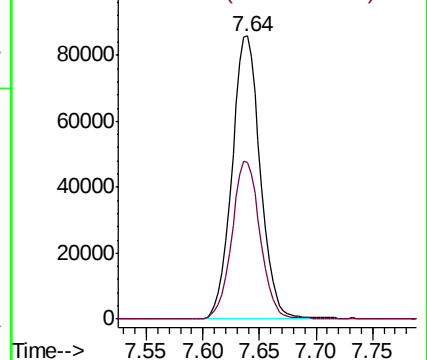
91 100

92 55.5 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: 10.527 ug/L

RT: 7.88 min Scan# 2086

Delta R.T. -0.00 min

Lab File: VU027773.D

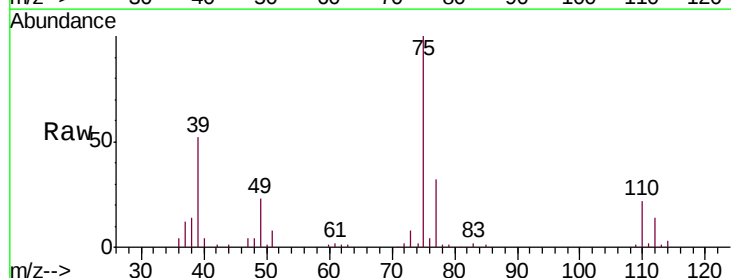
Acq: 24 Oct 2018 09:46

Tgt Ion: 75 Resp: 51032

Ion Ratio Lower Upper

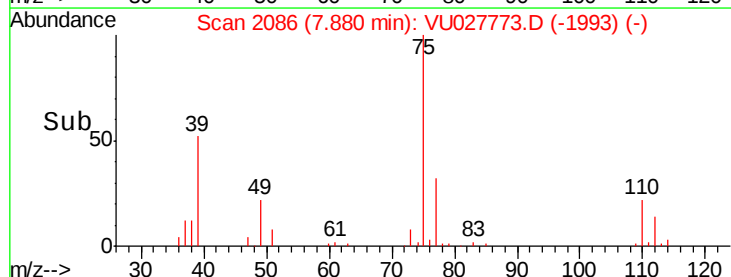
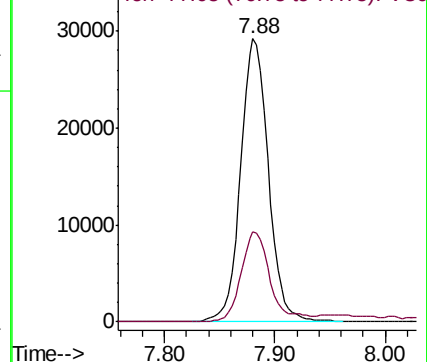
75 100

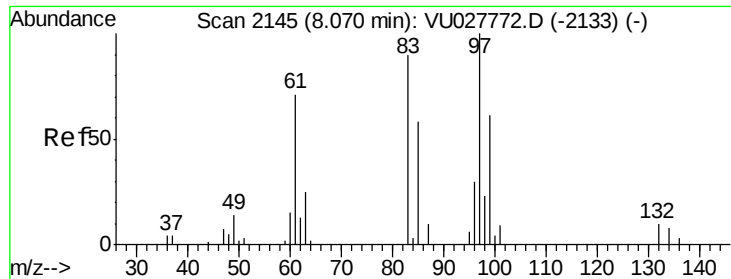
77 31.6 23.5 43.7



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

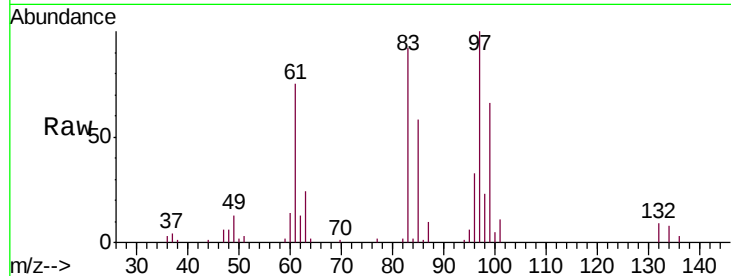




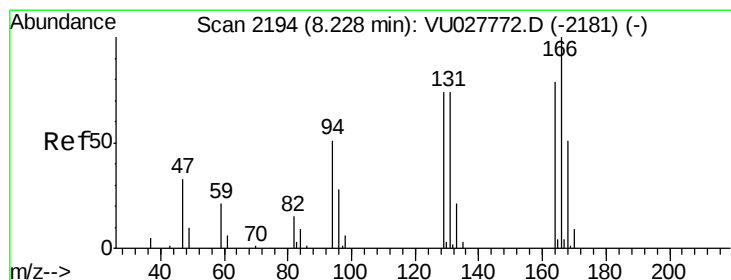
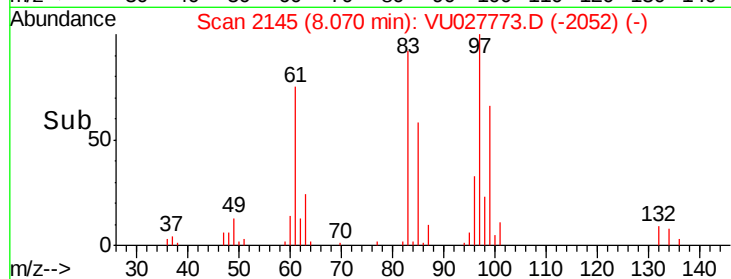
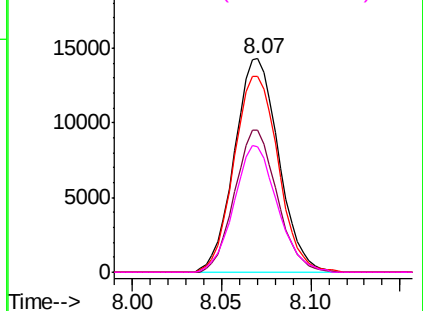
#45
1,1,2-Trichloroethane
Concen: 10.145 ug/L
RT: 8.07 min Scan# 2145
Delta R.T. -0.00 min
Lab File: VU027773.D
Acq: 24 Oct 2018 09:46

Instrument :
MSVOA_U
ClientSampleId :
VSTD01045

Tgt Ion:	97	Resp:	24608
Ion	Ratio	Lower	Upper
97	100		
99	66.3	42.8	79.6
83	91.8	62.9	116.9
85	58.5	40.8	75.8

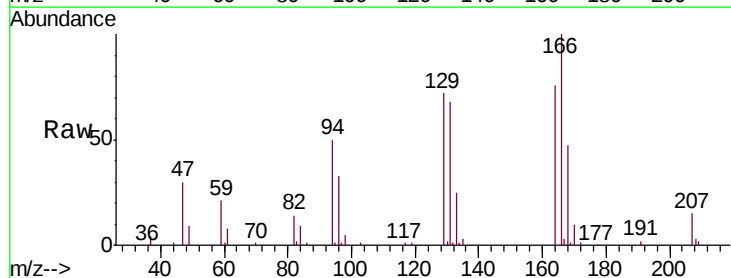


Abundance Ion 96.95 (96.65 to 97.65): VU0
Ion 99.05 (98.75 to 99.75): VU0
Ion 82.95 (82.65 to 83.65): VU0
Ion 85.00 (84.70 to 85.70): VU0

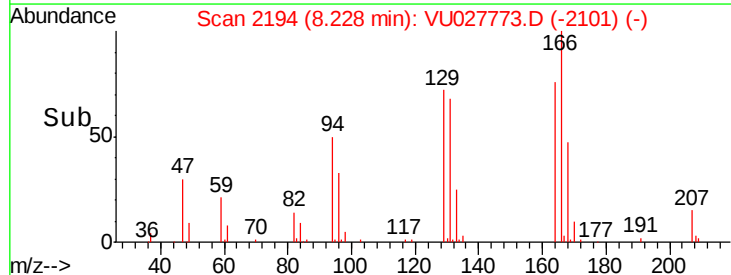
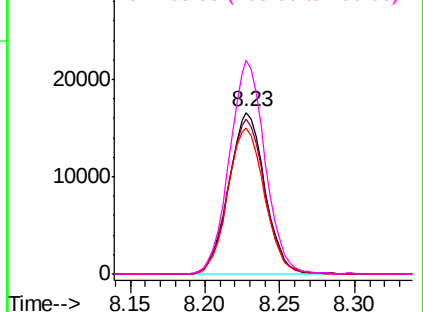


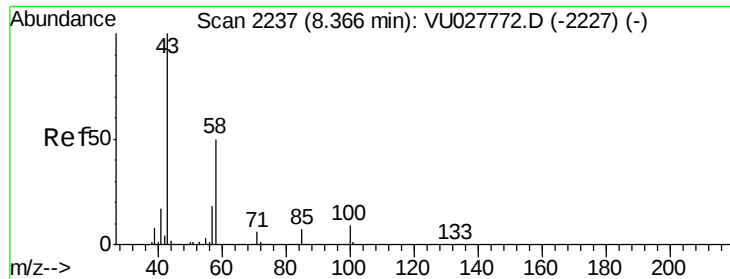
#47
Tetrachloroethene
Concen: 9.706 ug/L
RT: 8.23 min Scan# 2194
Delta R.T. -0.00 min
Lab File: VU027773.D
Acq: 24 Oct 2018 09:46

Tgt Ion:	164	Resp:	27959
Ion	Ratio	Lower	Upper
164	100		
129	95.4	65.6	121.8
131	90.0	65.0	120.8
166	132.1	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

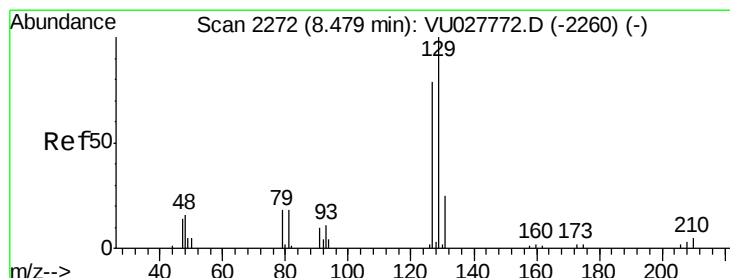
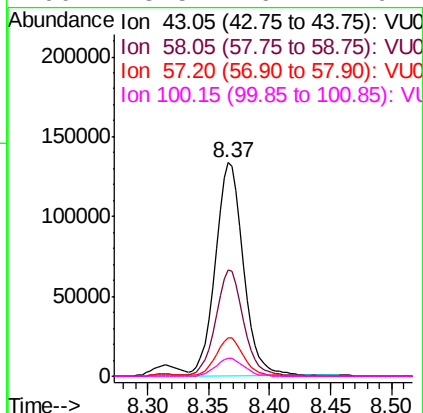
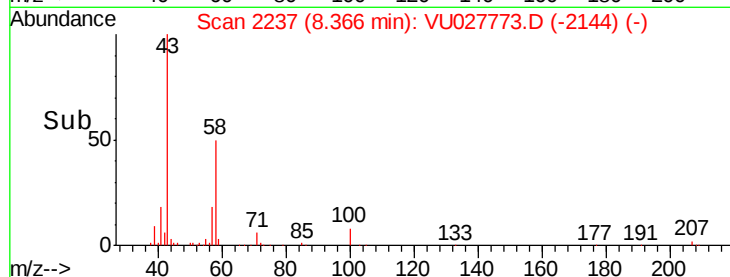
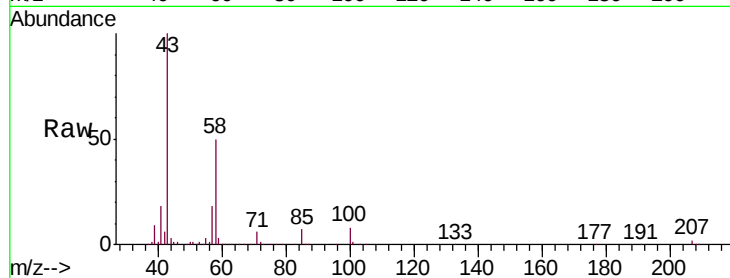




#48
2-Hexanone
Concen: 101.384 ug/L
RT: 8.37 min Scan# 2237
Delta R.T. -0.00 min
Lab File: VU027773.D
Acq: 24 Oct 2018 09:46

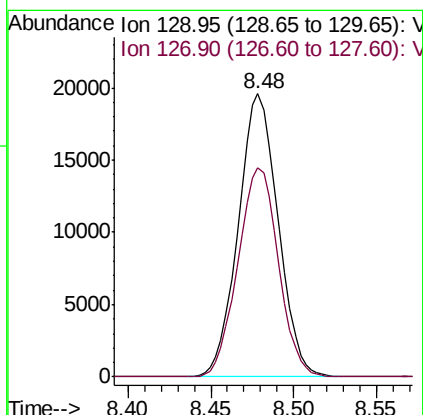
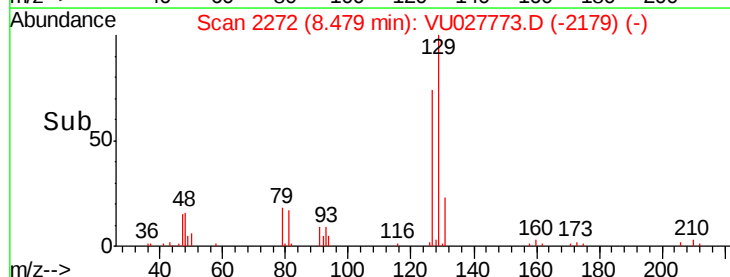
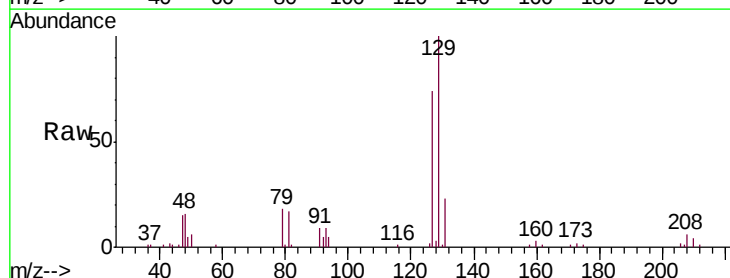
Instrument :
MSVOA_U
ClientSampleId :
VSTD01045

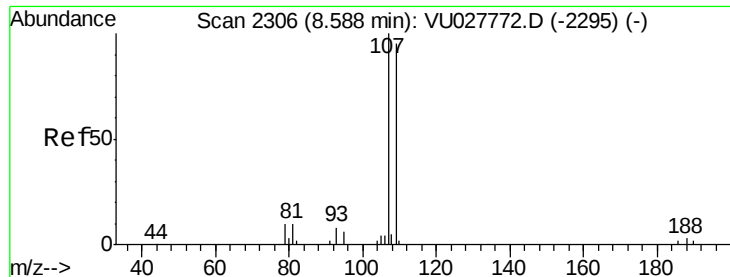
Tgt Ion: 43 Resp: 216441
Ion Ratio Lower Upper
43 100
58 48.7 39.4 59.0
57 17.8 13.8 20.8
100 8.5 6.7 10.1



#49
Dibromochloromethane
Concen: 10.570 ug/L
RT: 8.48 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VU027773.D
Acq: 24 Oct 2018 09:46

Tgt Ion: 129 Resp: 32667
Ion Ratio Lower Upper
129 100
127 74.0 55.2 102.4

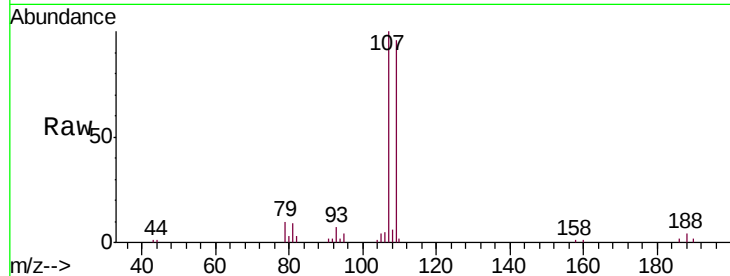




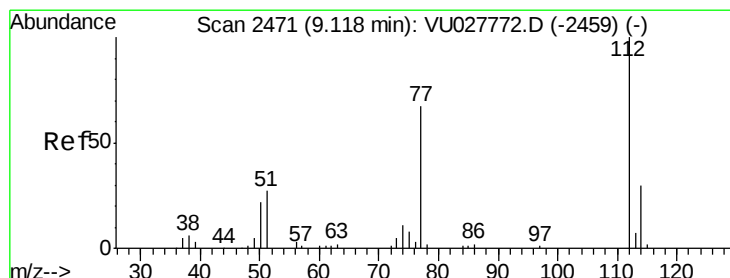
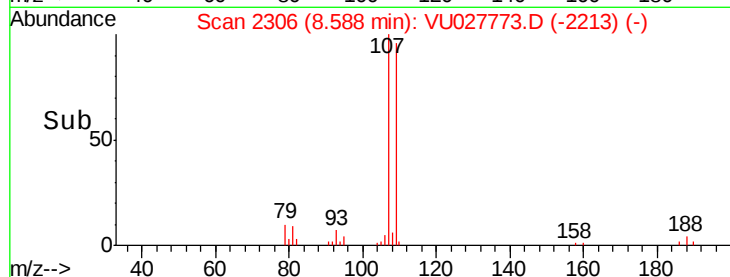
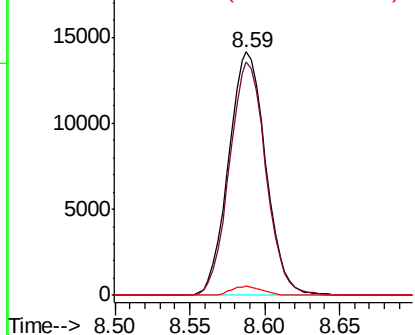
#50
1,2-Dibromoethane
Concen: 10.348 ug/L
RT: 8.59 min Scan# 2306
Delta R.T. -0.00 min
Lab File: VU027773.D
Acq: 24 Oct 2018 09:46

Instrument :
MSVOA_U
ClientSampleId :
VSTD01045

Tgt Ion:107 Resp: 24397
Ion Ratio Lower Upper
107 100
109 96.0 66.3 123.1
188 3.6 2.6 3.8

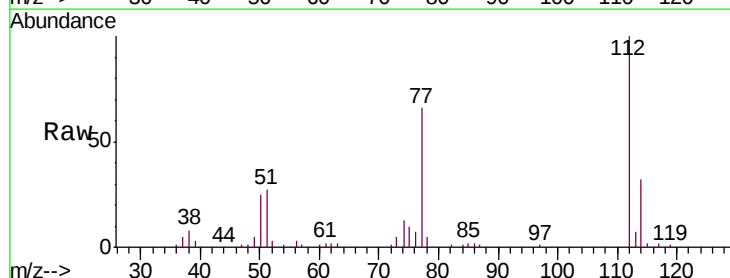


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

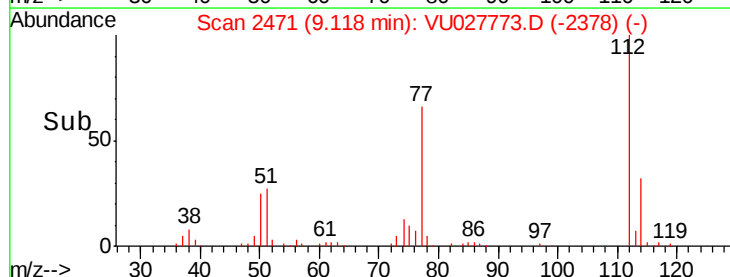
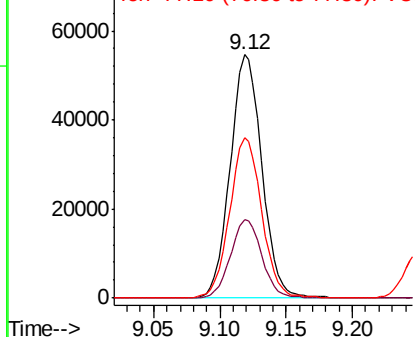


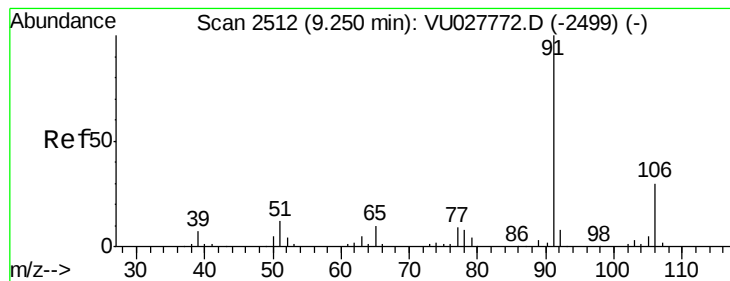
#51
Chlorobenzene
Concen: 10.004 ug/L
RT: 9.12 min Scan# 2471
Delta R.T. -0.00 min
Lab File: VU027773.D
Acq: 24 Oct 2018 09:46

Tgt Ion:112 Resp: 90746
Ion Ratio Lower Upper
112 100
114 32.0 21.2 39.4
77 65.7 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: 10.029 ug/L

RT: 9.25 min Scan# 2512

Delta R.T. -0.00 min

Lab File: VU027773.D

Acq: 24 Oct 2018 09:46

Instrument :

MSVOA_U

ClientSampleId :

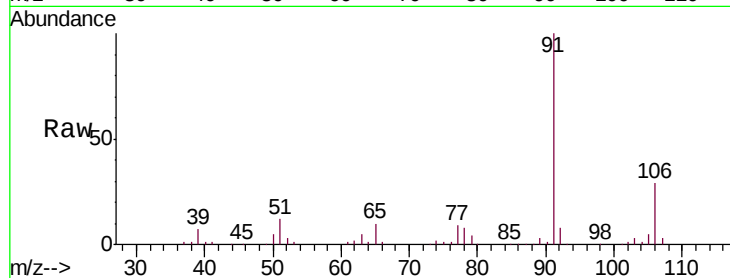
VSTD01045

Tgt Ion: 91 Resp: 171422

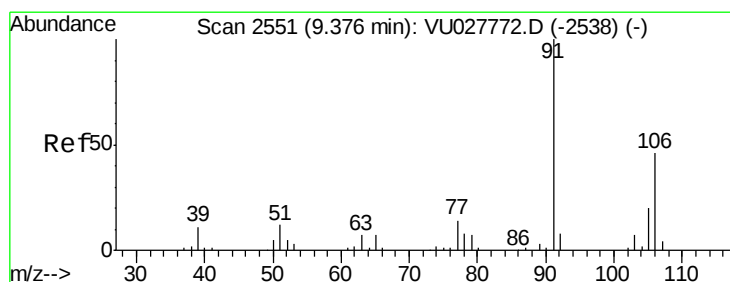
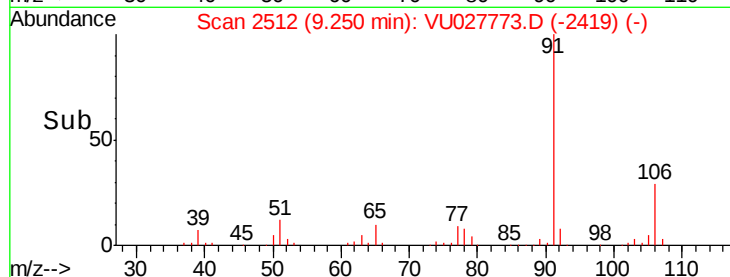
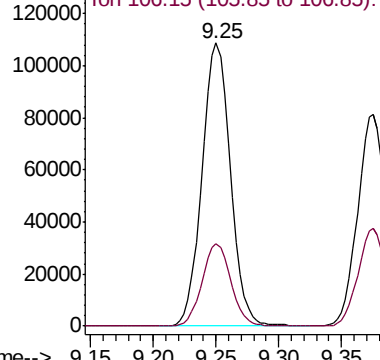
Ion Ratio Lower Upper

91 100

106 29.1 20.6 38.4



Abundance Ion 91.15 (90.85 to 91.85): VU027773.D (-2499) (-)



#53

m,p-xylene

Concen: 10.170 ug/L

RT: 9.38 min Scan# 2551

Delta R.T. -0.00 min

Lab File: VU027773.D

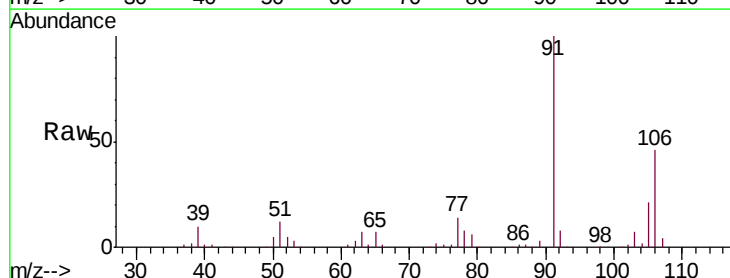
Acq: 24 Oct 2018 09:46

Tgt Ion: 106 Resp: 61568

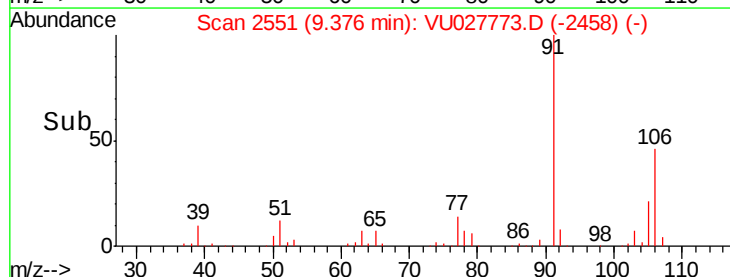
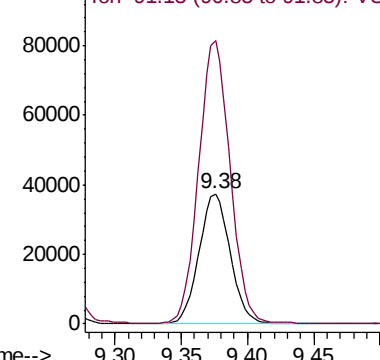
Ion Ratio Lower Upper

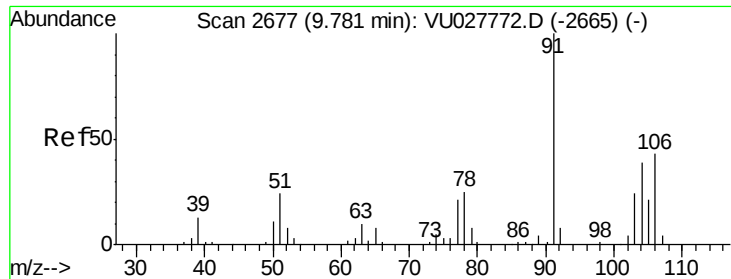
106 100

91 217.1 154.1 286.3



Abundance Ion 106.15 (105.85 to 106.85): VU027773.D (-2538) (-)





#54

o-xylene

Concen: 10.093 ug/L

RT: 9.78 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VU027773.D

Acq: 24 Oct 2018 09:46

Instrument :

MSVOA_U

ClientSampleId :

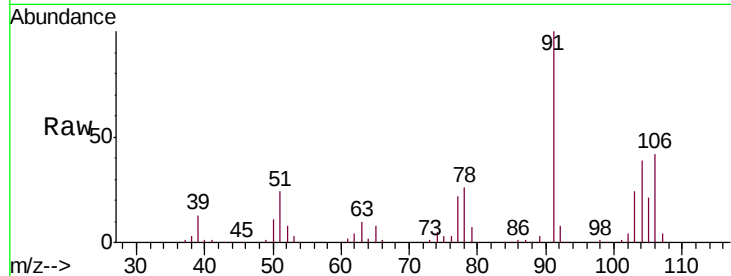
VSTD01045

Tgt Ion:106 Resp: 59698

Ion Ratio Lower Upper

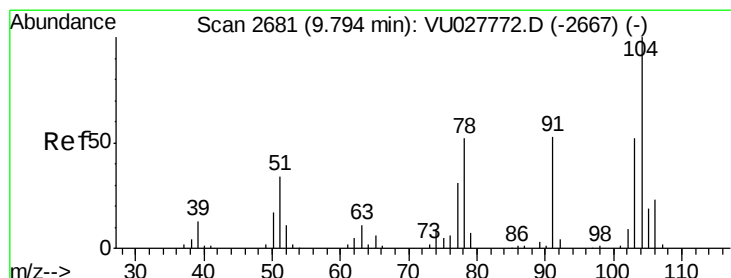
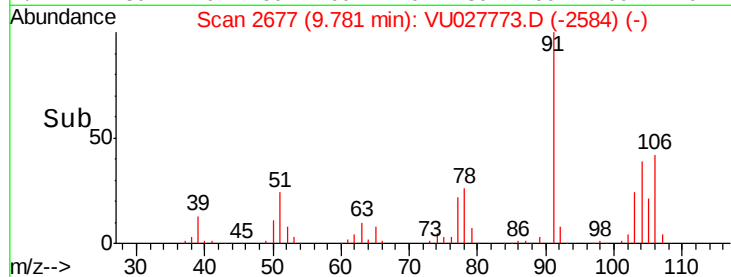
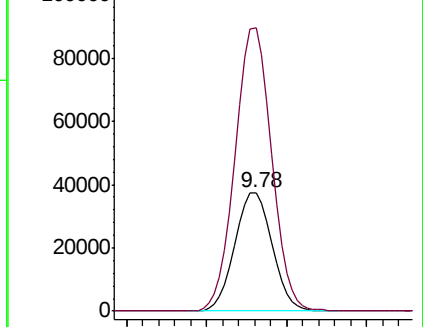
106 100

91 239.2 161.3 299.7



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#55

Styrene

Concen: 10.280 ug/L

RT: 9.79 min Scan# 2680

Delta R.T. -0.00 min

Lab File: VU027773.D

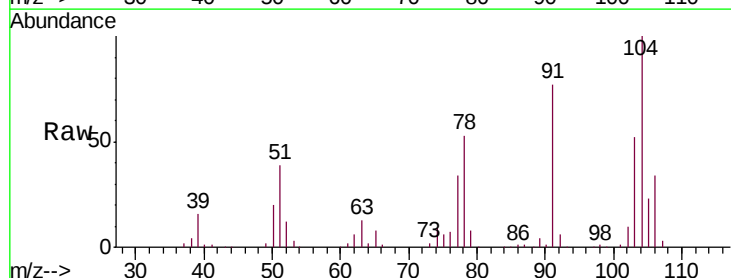
Acq: 24 Oct 2018 09:46

Tgt Ion:104 Resp: 102996

Ion Ratio Lower Upper

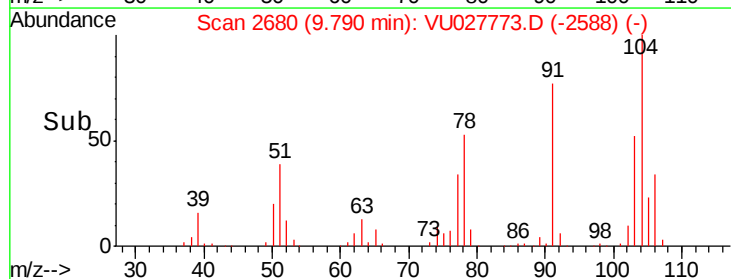
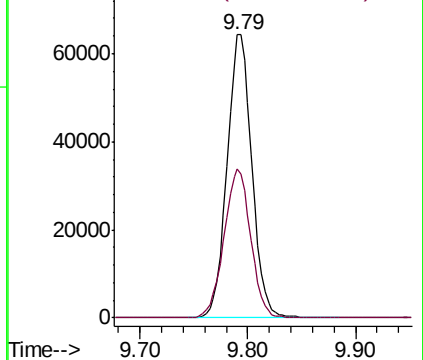
104 100

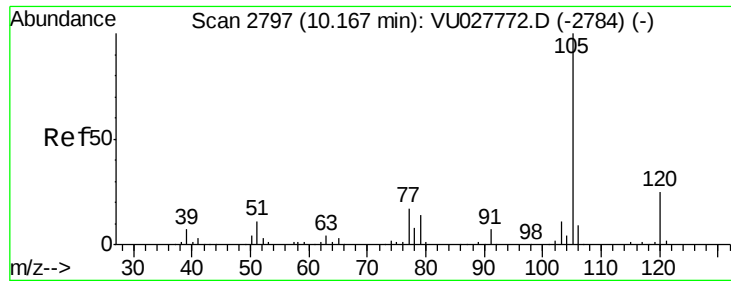
78 52.5 36.3 67.3



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 10.269 ug/L

RT: 10.17 min Scan# 2797

Delta R.T. -0.00 min

Lab File: VU027773.D

Acq: 24 Oct 2018 09:46

Instrument :

MSVOA_U

ClientSampleId :

VSTD01045

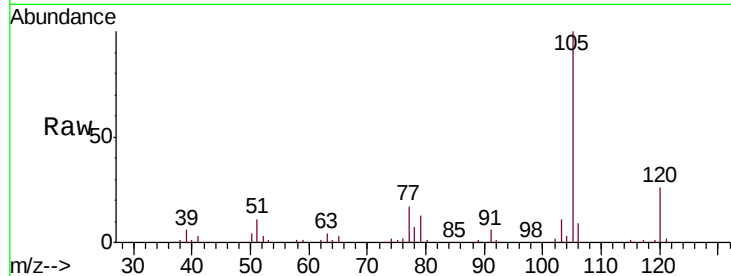
Tgt Ion: 105 Resp: 168196

Ion Ratio Lower Upper

105 100

120 25.4 19.9 29.9

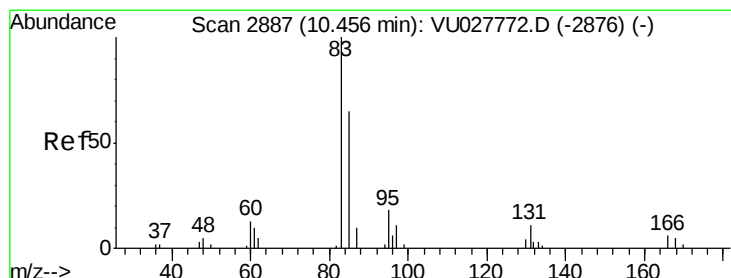
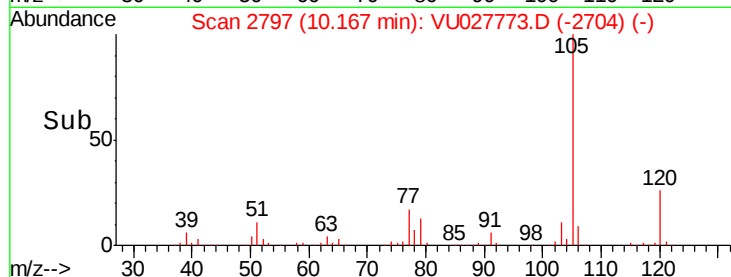
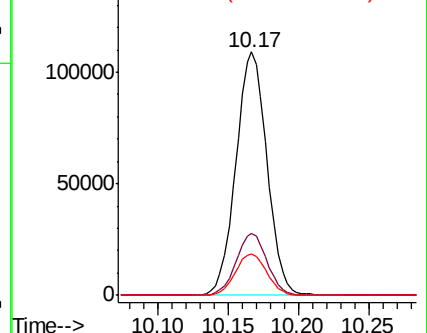
77 17.3 13.7 20.5



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: 10.649 ug/L

RT: 10.46 min Scan# 2888

Delta R.T. 0.00 min

Lab File: VU027773.D

Acq: 24 Oct 2018 09:46

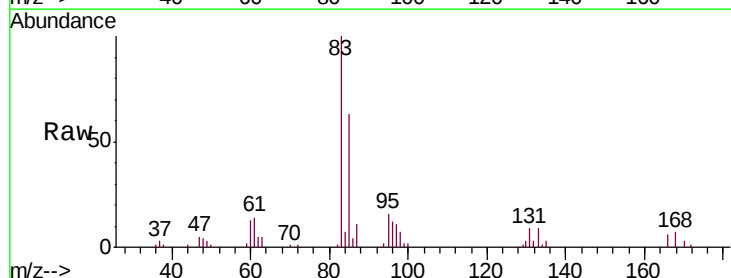
Tgt Ion: 83 Resp: 33976

Ion Ratio Lower Upper

83 100

85 62.9 45.5 84.5

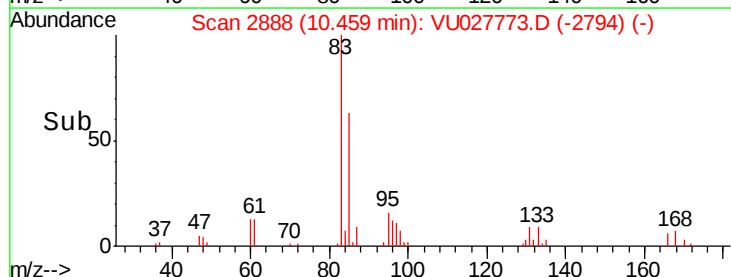
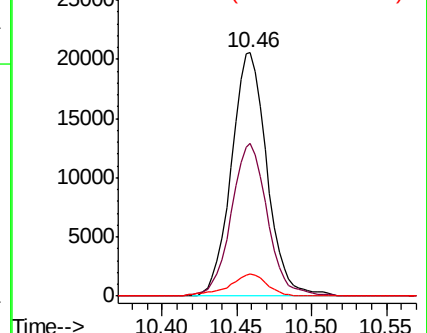
131 9.2 8.8 13.2

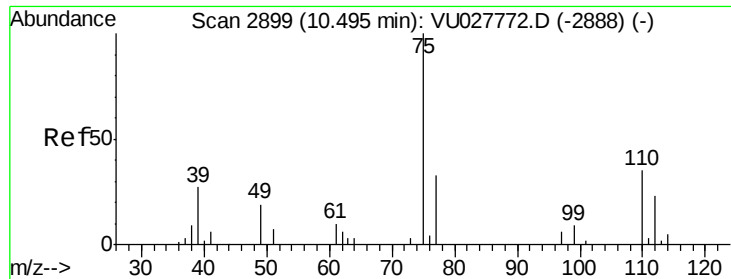


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 9.997 ug/L

RT: 10.49 min Scan# 2899

Delta R.T. -0.00 min

Lab File: VU027773.D

Acq: 24 Oct 2018 09:46

Instrument :

MSVOA_U

ClientSampleId :

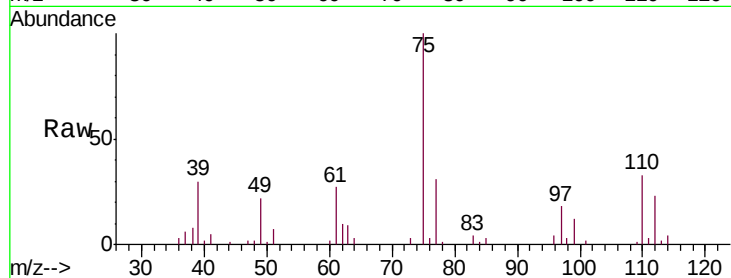
VSTD01045

Tgt Ion: 75 Resp: 25298

Ion Ratio Lower Upper

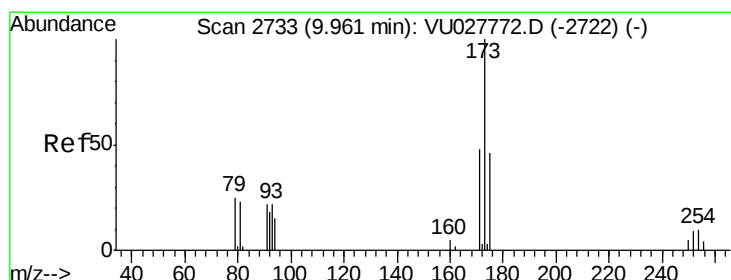
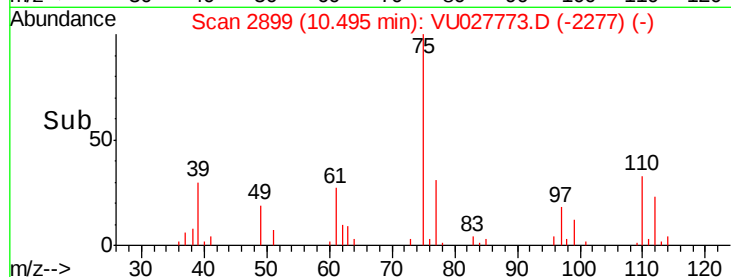
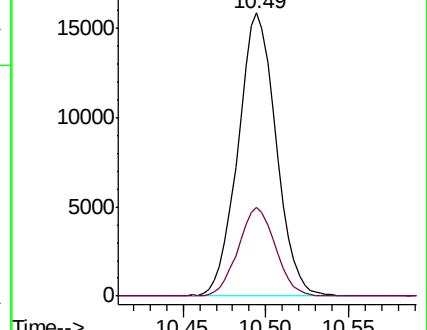
75 100

77 30.7 26.4 39.6



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

Ion 77.00 (76.70 to 77.70): VU027773.D (-2277) (-)



#61

Bromoform

Concen: 10.616 ug/L

RT: 9.96 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VU027773.D

Acq: 24 Oct 2018 09:46

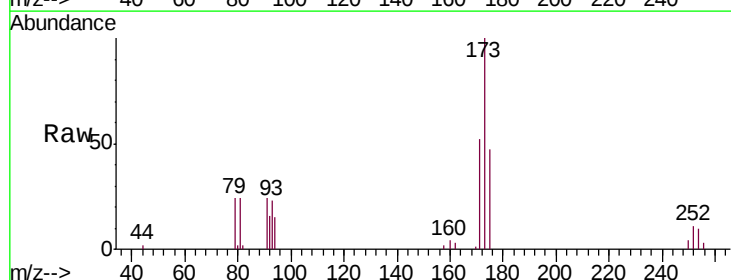
Tgt Ion: 173 Resp: 18896

Ion Ratio Lower Upper

173 100

175 47.7 37.7 56.5

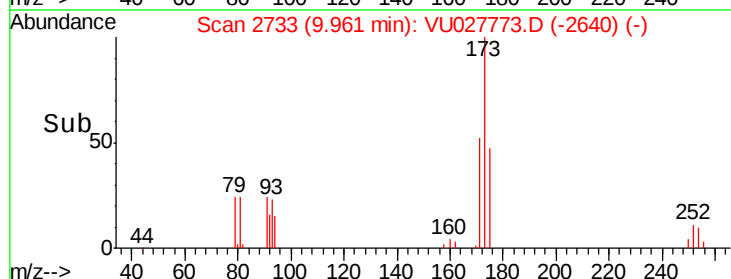
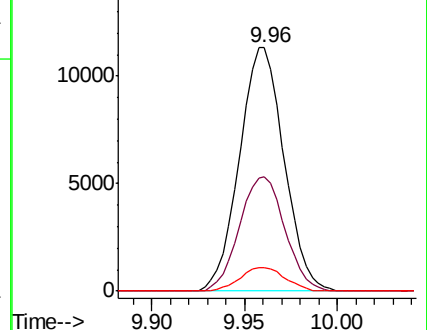
254 9.8 7.2 10.8

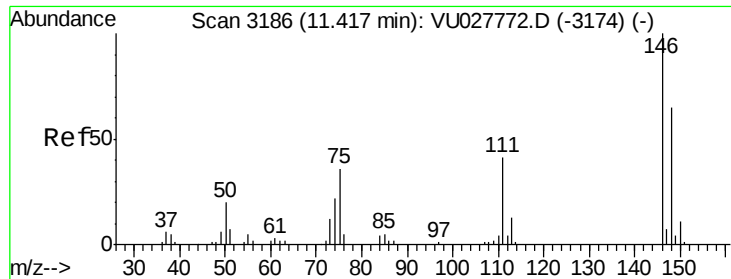


Abundance Ion 172.90 (172.60 to 173.60): VU027772.D (-2722) (-)

Ion 174.90 (174.60 to 175.60): VU027773.D (-2640) (-)

Ion 253.75 (253.45 to 254.45): VU027773.D (-2640) (-)





#62

1,3-Dichlorobenzene

Concen: 9.990 ug/L

RT: 11.42 min Scan# 3186

Delta R.T. -0.00 min

Lab File: VU027773.D

Acq: 24 Oct 2018 09:46

Instrument :

MSVOA_U

ClientSampleId :

VSTD01045

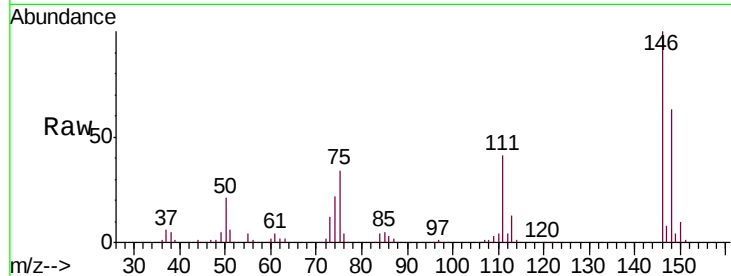
Tgt Ion:146 Resp: 74357

Ion Ratio Lower Upper

146 100

111 40.6 28.6 53.0

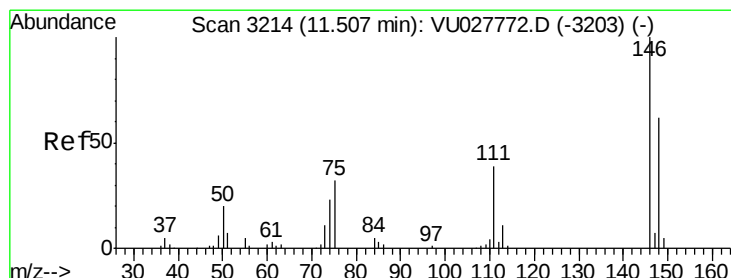
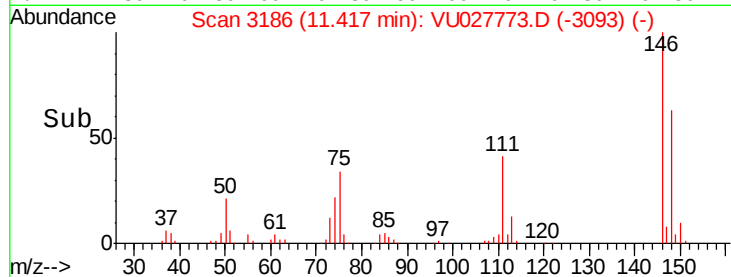
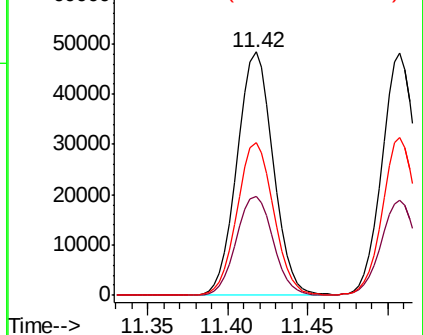
148 62.7 45.1 83.9



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: 9.905 ug/L

RT: 11.51 min Scan# 3214

Delta R.T. -0.00 min

Lab File: VU027773.D

Acq: 24 Oct 2018 09:46

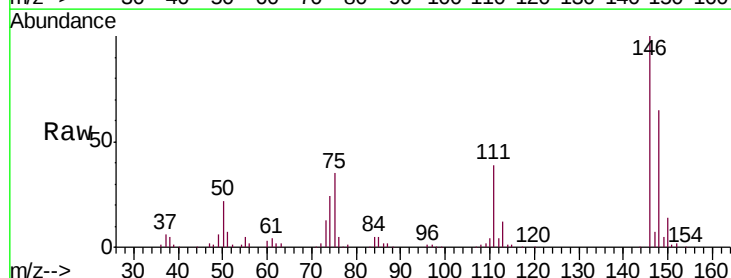
Tgt Ion:146 Resp: 74440

Ion Ratio Lower Upper

146 100

111 39.4 27.6 51.4

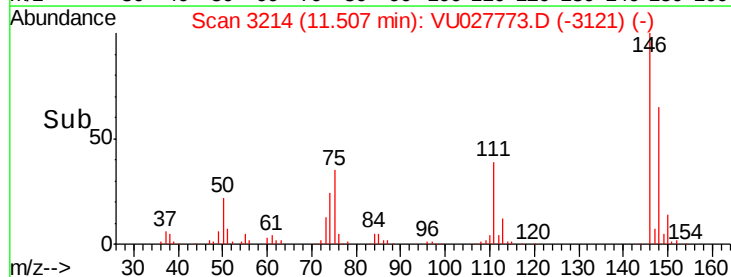
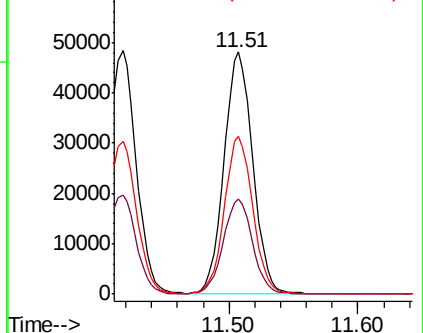
148 65.4 43.3 80.3

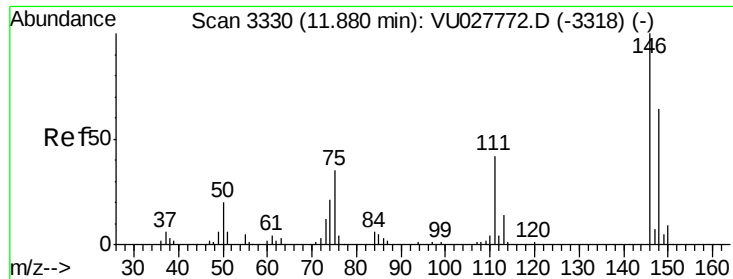


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

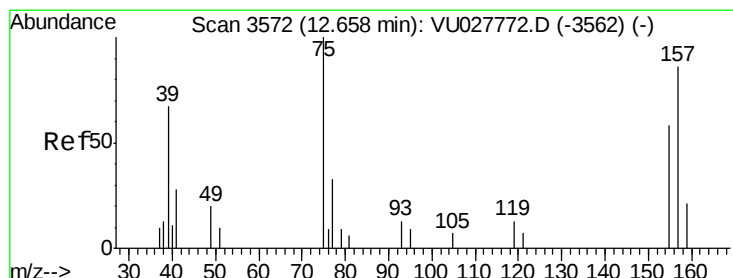
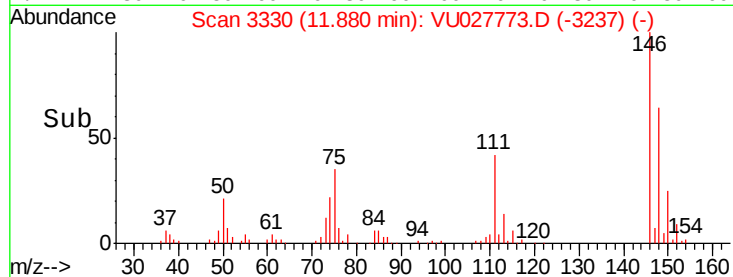
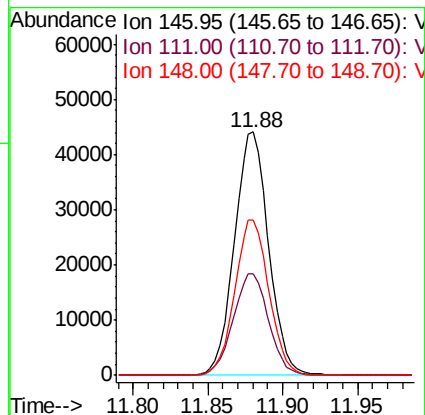
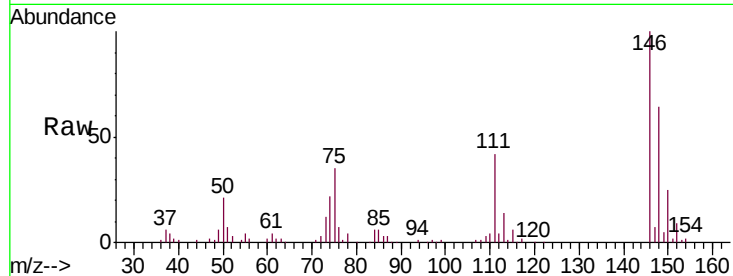




#65
 1,2-Dichlorobenzene
 Concen: 10.010 ug/L
 RT: 11.88 min Scan# 3330
 Delta R.T. -0.00 min
 Lab File: VU027773.D
 Acq: 24 Oct 2018 09:46

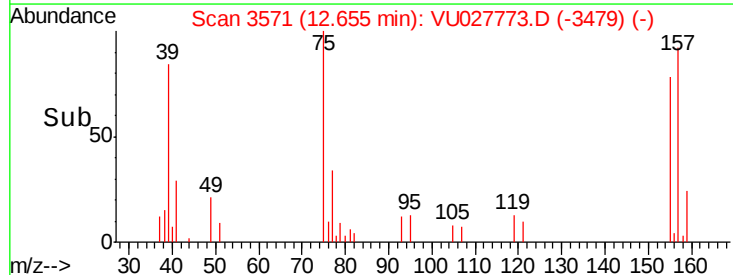
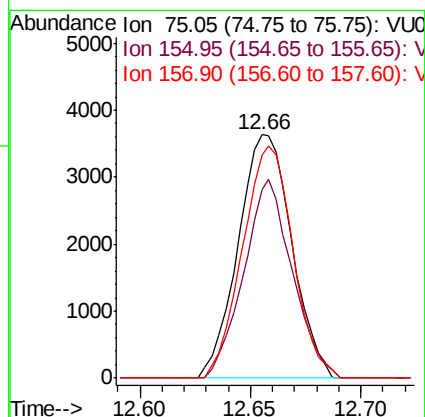
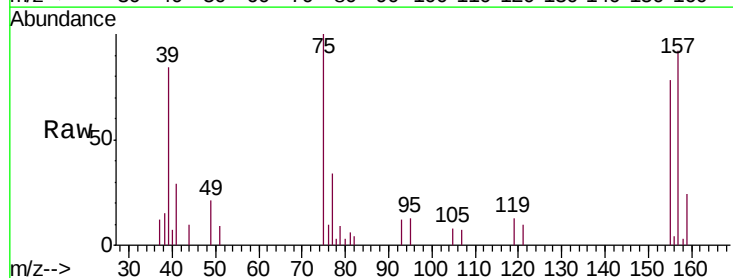
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01045

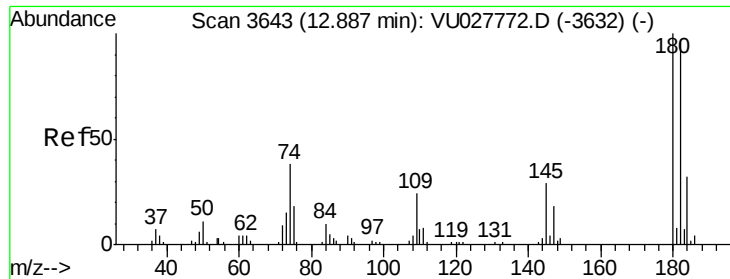
Tgt Ion: 146 Resp: 70062
 Ion Ratio Lower Upper
 146 100
 111 41.7 33.7 50.5
 148 63.8 50.8 76.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 10.990 ug/L
 RT: 12.66 min Scan# 3571
 Delta R.T. -0.00 min
 Lab File: VU027773.D
 Acq: 24 Oct 2018 09:46

Tgt Ion: 75 Resp: 6126
 Ion Ratio Lower Upper
 75 100
 155 77.6 46.2 69.2#
 157 91.7 68.9 103.3

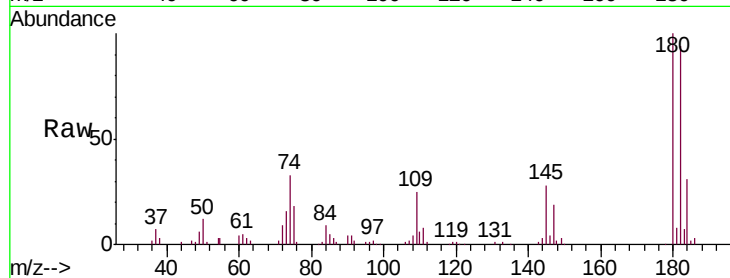




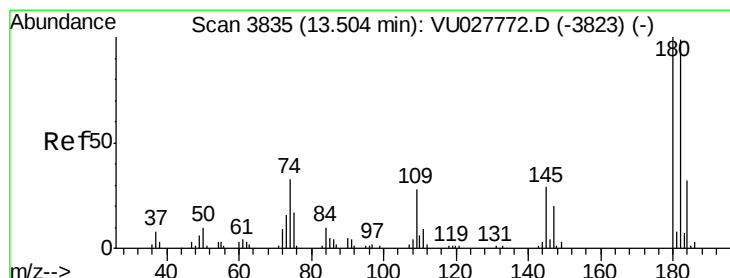
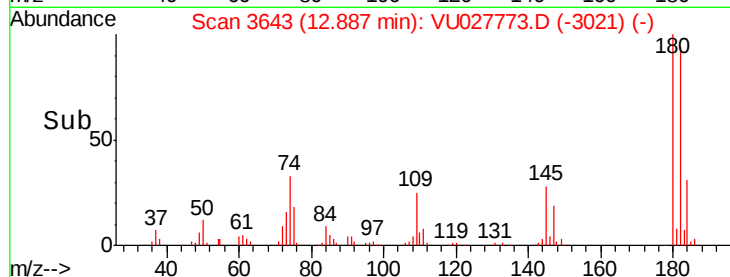
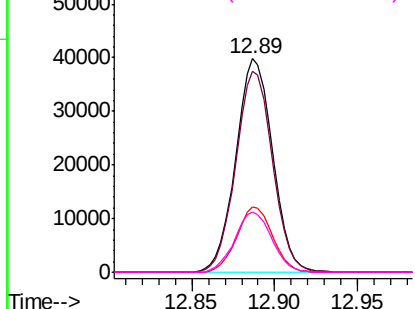
#67
 1,3,5-Trichlorobenzene
 Concen: 10.302 ug/L
 RT: 12.89 min Scan# 3643
 Delta R.T. -0.00 min
 Lab File: VU027773.D
 Acq: 24 Oct 2018 09:46

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01045

Tgt Ion:180 Resp: 61507
 Ion Ratio Lower Upper
 180 100
 182 94.1 78.9 118.3
 184 29.8 24.6 37.0
 145 28.4 23.4 35.0

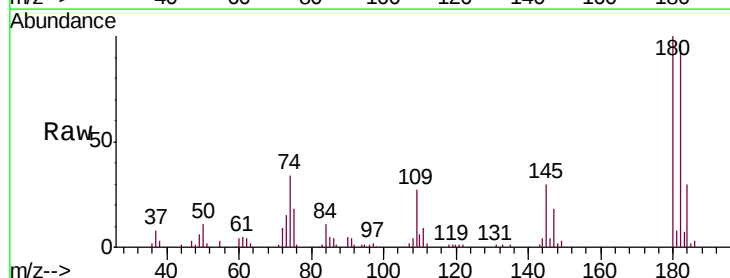


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

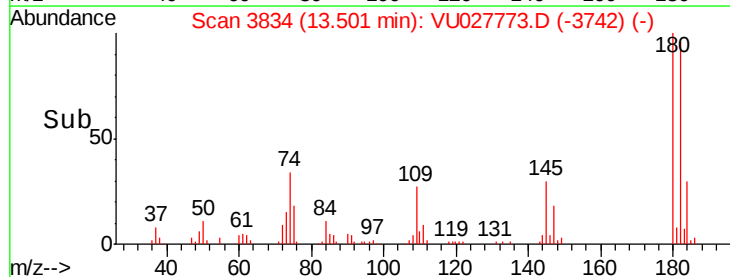
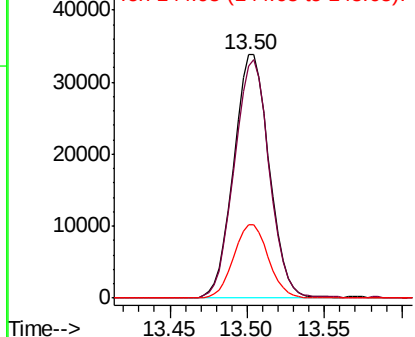


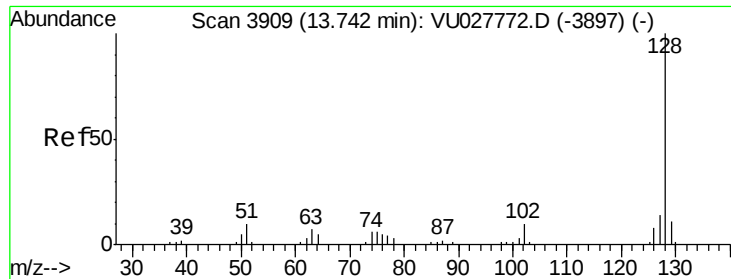
#68
 1,2,4-trichlorobenzene
 Concen: 10.377 ug/L
 RT: 13.50 min Scan# 3834
 Delta R.T. -0.00 min
 Lab File: VU027773.D
 Acq: 24 Oct 2018 09:46

Tgt Ion:180 Resp: 53815
 Ion Ratio Lower Upper
 180 100
 182 97.0 77.6 116.4
 145 29.5 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: 10.523 ug/L

RT: 13.74 min Scan# 3909

Delta R.T. -0.00 min

Lab File: VU027773.D

Acq: 24 Oct 2018 09:46

Instrument :

MSVOA_U

ClientSampleId :

VSTD01045

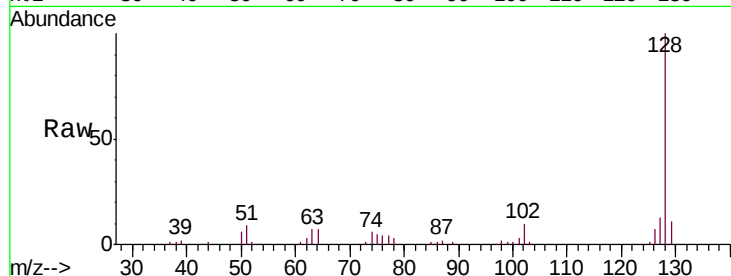
Tgt Ion:128 Resp: 88630

Ion Ratio Lower Upper

128 100

129 10.8 8.8 13.2

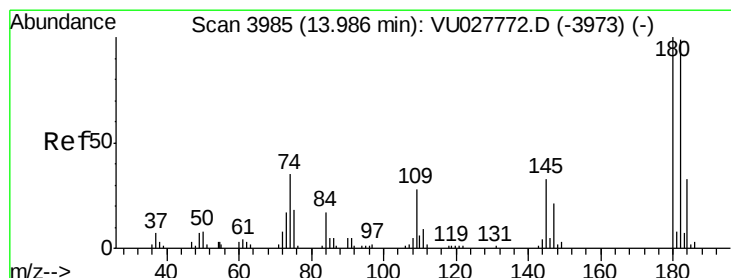
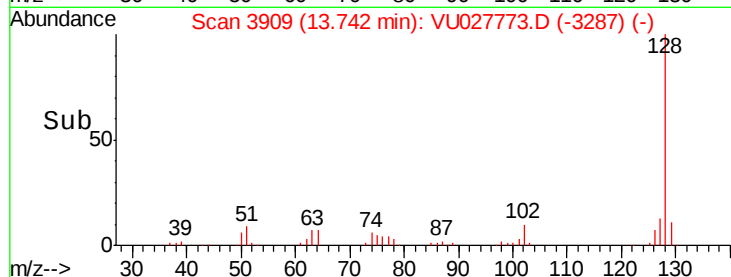
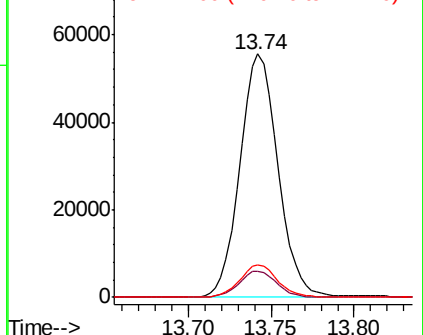
127 13.3 10.7 16.1



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: 10.507 ug/L

RT: 13.99 min Scan# 3985

Delta R.T. -0.00 min

Lab File: VU027773.D

Acq: 24 Oct 2018 09:46

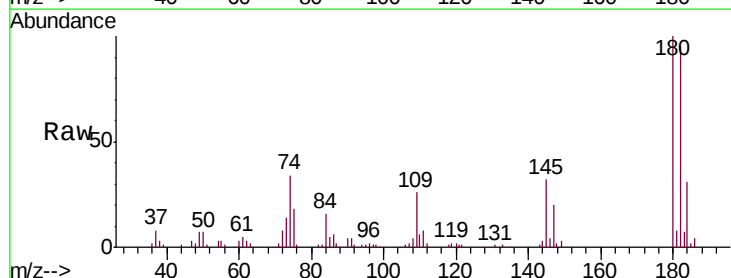
Tgt Ion:180 Resp: 50213

Ion Ratio Lower Upper

180 100

182 96.7 76.9 115.3

145 31.8 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

